



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 7

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 972591	SO Doc Code: CRFQ
Procurement Type: Central Purchase Order	SO Dept: 0705
Vendor ID: 000000195808	SO Doc ID: LOT2200000005
Legal Name: CARAHSOFT TECHNOLOGY CORP	Published Date: 12/14/21
Alias/DBA:	Close Date: 12/21/21
Total Bid: \$107,350.40	Close Time: 13:30
Response Date: 12/21/2021	Status: Closed
Response Time: 13:20	Solicitation Description: Addendum No. 2 - (12) Network Switches & Support
Responded By User ID: carahsoft	Total of Header Attachments: 7
First Name: Grier	Total of All Attachments: 7
Last Name: Eagan	
Email: Sales@carahsoft.com	
Phone: 703-871-8500	



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 972591
Solicitation Description: Addendum No. 2 - (12) Network Switches & Support
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-12-21 13:30	SR 0705 ESR12212100000003862	1

VENDOR
 000000195808
 CARAHSOFT TECHNOLOGY CORP

Solicitation Number: CRFQ 0705 LOT2200000005
Total Bid: 107350.3999999999941792339086 **Response Date:** 2021-12-21 **Response Time:** 13:20:10
Comments:

FOR INFORMATION CONTACT THE BUYER
 Toby L Welch
 (304) 558-8802
 toby.l.welch@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Network Switches and Support for (3) Years				107350.40

Comm Code	Manufacturer	Specification	Model #
43222612			

Commodity Line Comments: Contract Amount entered reflects the proposed Arista 48-port and 24-port switches with 3 years of maintenance support, Arista CloudVision licenses and switch licensing, and associated cabling for the quoted switches. Shipping estimate has also been included in this contract total.

Extended Description:

Network Switches and Support:
 Vendor must enter the Grand Total Amount from Exhibit A here. Vendor must include Exhibit A with their bid submission.

GOVERNMENT - PRICE QUOTATION



CARAHSOFT TECHNOLOGY CORP



11493 SUNSET HILLS ROAD | SUITE 100 | RESTON, VIRGINIA 20190
 PHONE (703) 871-8500 | FAX (703) 871-8505 | TOLL FREE (888) 66CARAH
 WWW.CARAHSOFT.COM | ARISTA@CARAHSOFT.COM

TO: Toby Welch
 Purchasing Assistant
 West Virginia Division of Administrative Services
 1201 Greenbrier St
 Charleston, WV 25311 USA

FROM: Mark Anspach
 Carahsoft Technology Corp.
 11493 Sunset Hills Road
 Suite 100
 Reston, Virginia 20190

EMAIL: Toby.L.Welch@wv.gov

EMAIL: Mark.Anspach@carahsoft.com

PHONE: (304) 558-2350

PHONE: (571) 662-4649 **FAX:** (703) 871-8505

TERMS: FTIN: 52-2189693
 Shipping Point: FOB Destination
 Remit To: Same as Above
 Payment Terms: Net 30 (On Approved Credit)
 Cage Code: 1P3C5
 DUNS No: 088365767
 Credit Cards: VISA/MasterCard/AMEX
 Sales Tax May Apply

QUOTE NO: 32157374
QUOTE DATE: 12/21/2021
QUOTE EXPIRES: 02/19/2022
RFQ NO: CRFQ 0705 LOT22-5
SHIPPING: GROUND
TOTAL PRICE: \$105,400.40
SHIPPING AMOUNT: \$1,950.00

TOTAL QUOTE: \$107,350.40



GOVERNMENT - PRICE QUOTATION

CARASOFT TECHNOLOGY CORP



11493 SUNSET HILLS ROAD | SUITE 100 | RESTON, VIRGINIA 20190
PHONE (703) 871-8500 | FAX (703) 871-8505 | TOLL FREE (888) 66CARAH
WWW.CARASOFT.COM | ARISTA@CARASOFT.COM

LINE NO.	PART NO.	DESCRIPTION	LIST PRICE	QUOTE PRICE	QTY	EXTENDED PRICE
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****Please note, prior to sending a Purchase Order please confirm whether or not this order will be for resell or internal use. If this purchase is for Resell please provide your most recent Resale Certificate along with your PO. If this order is for internal use please provide your most recent Tax Exempt form. Shipping costs are estimates only and must be included on purchase order. Invoice will be at actual shipping costs. Note sales tax may apply based on shipping destination.**

TOTAL PRICE: \$105,400.40

SHIPPING AMOUNT: \$1,950.00

TOTAL QUOTE: \$107,350.40

Exhibit A - Pricing Page
Network Equipment

Item #	Item Description	Unit of Measure	Unit Price	Qty	Extended Price
3.1.1	Cisco Catalyst 9300 Switches (C9300-48U-A) or Equal	Each	7234.16	10	72341.60
3.1.2	Cisco Catalyst 9300 Series Switches (C9300-24U-A) or Equal	Each	5541.78	2	11083.56
3.1.3	Extended Service Agreement - Cisco Smart Net Total Care or Equal <i>*see Exhibit B - BOM</i>	Month	664.59	36	23925.24
				Total Bid Amount	107350.40



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Info Technology

Proc Folder: 972591			Reason for Modification: Addendum No.1 is issued to move/extend the bid opening date.
Doc Description: Addendum No. 1 - (12) Network Switches & Support			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-12-14	2021-12-21 13:30	CRFQ 0705 LOT2200000005	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : Carahsoft Technology Corporation

Address : 11493
Street : Sunset Hills Road
City : Reston
State : VA **Country :** USA **Zip :** 20190

Principal Contact : Mark Anspach

Vendor Contact Phone: (571) 662-4649 **Extension:**

FOR INFORMATION CONTACT THE BUYER
 Toby L Welch
 (304) 558-8802
 toby.l.welch@wv.gov

Vendor Signature X *Mark Anspach* **FEIN#** 52-2189693 **DATE** December 21st, 2021

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 1 is issued for the following reasons:

1) To move/extend the bid opening date from 12/16/21 to 12/21/21 per attached documentation

--no other changes--

INVOICE TO	SHIP TO
------------	---------

LOTTERY PO BOX 2067 CHARLESTON WV US	LOTTERY 900 PENNSYLVANIA AVE CHARLESTON WV US
---	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Network Switches and Support for (3) Years				

Comm Code	Manufacturer	Specification	Model #
43222612			

Extended Description:

Network Switches and Support:

Vendor must enter the Grand Total Amount from Exhibit A here. Vendor must include Exhibit A with their bid submission.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Questions are due by 4:00 p.m.	2021-12-09

SOLICITATION NUMBER: CRFQ LOT2200000005
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Addendum No. 1 is issued for the following reasons:

- 1) To move/extend the bid opening date from 12/16/21 to 12/21/21 per attached documentation
- no other changes--

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ LOT22*5

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Carahsoft Technology Corporation

Company

Mark Anspach

Authorized Signature

December 21st, 2021

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

Revised 6/8/2012



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Info Technology

Proc Folder: 972591			Reason for Modification: Addendum No 2 is issued to publish a copy of questions with responses and to publish an updated BOM
Doc Description: Addendum No. 2 - (12) Network Switches & Support			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-12-14	2021-12-21 13:30	CRFQ 0705 LOT2200000005	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : Carahsoft Technology Corporation

Address : 11493
Street : Sunset Hills Road
City : Reston
State : VA **Country :** USA **Zip :** 20190

Principal Contact : Mark Anspach

Vendor Contact Phone: (571) 662-4649 **Extension:**

FOR INFORMATION CONTACT THE BUYER
 Toby L Welch
 (304) 558-8802
 toby.l.welch@wv.gov

Vendor Signature *X Mark Anspach* **FEIN#** 52-2189693 **DATE** December 21st, 2021

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 2 is issued for the following reasons:

- 1) To publish a copy of the vendor's questions with responses
- 2) To publish a corrected version of the Bill of Materials as per attached documentation

--no other changes--

INVOICE TO		SHIP TO	
LOTTERY PO BOX 2067		LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON US	WV	CHARLESTON US	WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Network Switches and Support for (3) Years				

Comm Code	Manufacturer	Specification	Model #
43222612			

Extended Description:

Network Switches and Support:

Vendor must enter the Grand Total Amount from Exhibit A here. Vendor must include Exhibit A with their bid submission.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Questions are due by 4:00 p.m.	2021-12-09

SOLICITATION NUMBER: CRFQ LOT2200000005
Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Addendum No. 2 is issued for the following reasons:

- 1) To publish a copy of the vendor's questions with responses
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- no other changes--

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

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SOLICITATION NO.: CRFQ LOT22*5

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(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
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Carahsoft Technology Corporation

Company

Mark Anspach

Authorized Signature

December 21st, 2021

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 6/8/2012

CRFQ LOT2200000005

Replacement of (12) Network Switches & Support for (3) Years

Q.1 Since the Premier subscription will be EoS (End of Service) by March of 2022 we do recommend going with DNA Advantage. If you do want to go with DNA Premier, I would need 24 to 48 hours since we just opened a case with CCW because is not letting is include the DNA Premier, so we need to confirm it is still possible to configure it. Would you want to go with DNA ADVANTAGE?

A.1 There was an error in the original RFQ. Please see the new Bill of Materials that will answer this.

Q.2 Subscriptions (C9300-DNA-P-24-3Y and C9300-DNA-P-48-3Y) are not available with Catalyst 9300 24 and 48 Ports Network Advantage Switches. They are not compatible, here are the available options. Can you please confirm if we can proceed with quoting below?

C9300-DNA-A-48-3Y

C9300-DNA-A-24-3Y

A.2 There was an error in the original RFQ. Please see the new Bill of Materials that will answer this.

BILL OF MATERIALS ADDENDUM

Line Number	Part Number	Description	Service Duration (Months)	Qty
1.0	C9300-24U-A	Catalyst 9300 24-port UPOE, Network Advantage	---	2
1.1	C9300-NW-A-24	C9300 Network Advantage, 24-port license	---	2
1.2	SC9300UK9-173	UNIVERSAL	---	2
1.3	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	---	2
1.4	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	---	2
1.5	CAB-TA-NA	North America AC Type A Power Cable	---	4
1.6	SSD-240G	Cisco pluggable USB3.0 SSD storage	---	2
1.7	STACK-T1-50CM	50CM Type 1 Stacking Cable	---	2
1.8	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	---	2
1.9	TE-C9K-SW	TE agent for IOSXE on C9K	---	2
1.10	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	---	2
1.10.0.1	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	36	2
1.11	D-DNAS-EXT-S-T	Cisco DNA Spaces Extend Term License for Catalyst Switches	---	2
1.11.0.1	D-DNAS-EXT-S-3Y	Cisco DNA Spaces Extend for Catalyst Switching - 3Year	36	2
1.12	TE-EMBEDDED-T	Cisco ThousandEyes Enterprise Agent IBN Embedded	---	2
1.12.0.1	TE-EMBEDDED-T-3Y	ThousandEyes - Enterprise Agents	36	2
1.13	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	---	2
1.14	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	---	2
1.15	C9300-DNA-A-24	C9300 DNA Advantage, 24-port Term Licenses	---	2
1.15.0.1	C9300-DNA-A-24-3Y	C9300 DNA Advantage, 24-Port, 3 Year Term License	36	2
2.0	C9300-48U-A	Catalyst 9300 48-port UPOE, Network Advantage	---	10
2.1	C9300-NW-A-48	C9300 Network Advantage, 48-port license	---	10
2.2	SC9300UK9-173	UNIVERSAL	---	10
2.3	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	---	10
2.4	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	---	10
2.5	CAB-TA-NA	North America AC Type A Power Cable	---	20
2.6	SSD-240G	Cisco pluggable USB3.0 SSD storage	---	10
2.7	STACK-T1-50CM	50CM Type 1 Stacking Cable	---	10
2.8	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	---	10
2.9	TE-C9K-SW	TE agent for IOSXE on C9K	---	10
2.10	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	---	10
2.10.0.1	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	36	10
2.11	D-DNAS-EXT-S-T	Cisco DNA Spaces Extend Term License for Catalyst Switches	---	10
2.11.0.1	D-DNAS-EXT-S-3Y	Cisco DNA Spaces Extend for Catalyst Switching - 3Year	36	10
2.12	TE-EMBEDDED-T	Cisco ThousandEyes Enterprise Agent IBN Embedded	---	10
2.12.0.1	TE-EMBEDDED-T-3Y	ThousandEyes - Enterprise Agents	36	10
2.13	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	---	10
2.14	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	---	10

2.15	CAB-CONSOLE-USB	Console Cable 6ft with USB Type A and mini-B	---	10
2.16	C9300-DNA-A-48	C9300 DNA Advantage, 48-Port Term Licenses	---	10
2.16.0.1	C9300-DNA-A-48-3Y	C9300 DNA Advantage, 48-Port, 3 Year Term License	36	10
2.17	C1-ADD-OPTOUT	Cisco DNA Premier Add-On Session Opt Out (No Fulfillment)	---	10
3.0	CON-SSSNT-C93002UA	SOLN SUPP 8X5XNBD Catalyst 9300 24-port UPOE, Network Adva	36	2
3.1	CON-SSTCM-C93A24	SOLN SUPP SW SUBC9300 DNA Advantage	36	2
4.0	CON-SSSNT-C93004UA	SOLN SUPP 8X5XNBD Catalyst 9300 48-port UPOE, Network Adva	36	10
4.1	CON-SSTCM-C93A48	SOLN SUPP SW SUBC9300 DNA Advantage	36	10



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Info Technology

Proc Folder: 972591		Reason for Modification:	
Doc Description: Addendum No. 2 - (12) Network Switches & Support		Addendum No 2 is issued to publish a copy of questions with responses and to publish an updated BOM	
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-12-14	2021-12-21 13:30	CRFQ 0705 LOT2200000005	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:
Vendor Name : Carahsoft Technology Corporation
Address : 11493
Street : Sunset Hills Road
City : Reston
State : VA **Country :** USA **Zip :** 20190
Principal Contact : Mark Anspach
Vendor Contact Phone: (571) 662-4649 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Toby L Welch
 (304) 558-8802
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Vendor Signature X *Mark Anspach* **FEIN#** 52-2189693 **DATE** December 21st, 2021

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ADDITIONAL INFORMATION

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--no other changes--

INVOICE TO		SHIP TO	
LOTTERY PO BOX 2067		LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Network Switches and Support for (3) Years				

Comm Code	Manufacturer	Specification	Model #
43222612			

Extended Description:

Network Switches and Support:

Vendor must enter the Grand Total Amount from Exhibit A here. Vendor must include Exhibit A with their bid submission.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Questions are due by 4:00 p.m.	2021-12-09

	Document Phase	Document Description	Page
LOT2200000005	Final	Addendum No. 2 - (12) Network Switches & Support	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Info Technology

Proc Folder: 972591			Reason for Modification:
Doc Description: Replacement of (12) Network Switches & Support for (3) Years			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-12-01	2021-12-16 13:30	CRFQ 0705 LOT2200000005	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : Carahsoft Technology Corporation

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FOR INFORMATION CONTACT THE BUYER
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Vendor Signature X *Mark Anspach* **FEIN#** 52-2189693 **DATE** December 21st, 2021

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ADDITIONAL INFORMATION

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Lottery to establish a contract for a one-time purchase of (12) network switches and support for (3) years following of the purchase of the switches, known as SMART Net Total Care or equal, per the bid requirements, specifications, term and conditions, and Exhibit B - BOM (Bill of Materials) attached to this solicitation hereto.

INVOICE TO		SHIP TO	
LOTTERY PO BOX 2067		LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Network Switches and Support for (3) Years				

Comm Code	Manufacturer	Specification	Model #
43222612			

Extended Description:

Network Switches and Support:

Vendor must enter the Grand Total Amount from Exhibit A here. Vendor must include Exhibit A with their bid submission.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Questions are due by 4:00 p.m.	2021-12-09

	Document Phase	Document Description	Page
LOT2200000005	Draft	Replacement of (12) Network Switches & Support for (3) Years	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting
Revised 07/01/2021

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: Thursday December 9, 2021 @ 4:00 p.m.

Submit Questions to: Toby L Welch
2019 Washington Street, East
Charleston, WV 25305
Email: Toby.L.Welch@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: Replacement of (12) Network Switches and (3) Years of Support
BUYER: Toby L Welch
SOLICITATION NO.: CRFQ LOT2200000005
BID OPENING DATE: Thursday December 16, 2021
BID OPENING TIME: 1:30 p.m.
FAX NUMBER: 304-558-3970

Revised 07/01/2021

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to a Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal prior to the bid opening date and time identified in Section 7 below, plus N/A convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should clearly identify and segregate the cost proposal from the technical proposal in a separately sealed envelope.

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: Thursday December 16, 2021 @ 1:30 p.m.

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:

<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference

for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least \$1 million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award.

A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

24. E-MAIL NOTIFICATION OF AWARD: The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on _____ and the initial contract term extends until _____.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Alternate Renewal Term – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Other: See attached _____

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for “Fixed Period Contract” or “Fixed Period Contract with Renewals” has been checked in Section 3 above. If either “Fixed Period Contract” or “Fixed Period Contract with Renewals” has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General’s office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

BID BOND (Construction Only): Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

PERFORMANCE BOND: The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

LABOR/MATERIAL PAYMENT BOND: The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

MAINTENANCE BOND: The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

Commercial General Liability Insurance in at least an amount of: 1,000,000.00 per occurrence.

Automobile Liability Insurance in at least an amount of: _____ per occurrence.

Professional/Malpractice/Errors and Omission Insurance in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

Commercial Crime and Third Party Fidelity Insurance in an amount of: _____ per occurrence.

Cyber Liability Insurance in an amount of: _____ per occurrence.

Builders Risk Insurance in an amount equal to 100% of the amount of the Contract.

Pollution Insurance in an amount of: _____ per occurrence.

Aircraft Liability in an amount of: _____ per occurrence.

State of West Virginia - WV Lottery - must be included as a certificate holder AND as additionally insured.

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

_____ for _____.

Liquidated Damages Contained in the Specifications.

Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a “substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES – This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Mark Anspach, Account Manager

(Name, Title)
Mark Anspach, Account Manager

(Printed Name and Title)
11493 Sunset Hills Road, Reston, VA 20190

(Address)
(571) 662-4649, (703) 871-8505

(Phone Number) / (Fax Number)
mark.anspach@carahsoft.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Carahsoft Technology Corporation

(Company)

Mark Anspach Mark Anspach, Account Manager

(Authorized Signature) (Representative Name, Title)

Mark Anspach, Account Manager

(Printed Name and Title of Authorized Representative)

December 21st, 2021

(Date)

(571) 662-4649, (703) 871-8505

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ LOT22*5

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Carahsoft Technology Corporation

Company

Mark Anspach

Authorized Signature

December 21st, 2021

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the WEST VIRGINIA LOTTERY to purchase and replace 12 existing networking switches owned by the agency. This purchase will include 3 years of support and maintenance known as SMART Net Total Care, or Equal, the services will be limited to applying corrective maintenance as well as implementation of any feature upgrades that are available to currently licensed users.

This purchase is for new hardware and software. Original equipment manufacturers depend on licensed resellers of their products who will provide quotes for this procurement based on their history of sales with that company. All direct support and maintenance will be provided by OEM.

Current Operating Environment:

- A. The Lottery has various switches at Lottery locations as well as at the five casinos that generate revenue for the Lottery. Up-time for all of these locations is of utmost priority due to the State's dependence on the revenue generated by the Lottery.

B. License and Supporting Details:

1. Cisco WS-C3750-24P-S Switches.
 2. Cisco WS-3750X-48PF-Switches.
- Agency Account Name: West Virginia Lottery
 - Physical Address: 900 Pennsylvania Avenue, Charleston, WV 25302
 - Account Contact: Darrin Stroup
 - Account Email: dstroup@wvlottery.com

Response Notes:

1. Cisco switches are installed at the Primary Data Center on Pennsylvania Avenue in Charleston WV as well as the backup data center in Anmoore near Bridgeport WV. In addition each of the five casinos online to the Lottery have installed various Cisco devices to connect to the Lottery network. Support and maintenance will generally be requested at the primary data center but should be available transparently from the backup data center or any of the five casinos.
2. Any references to specific devices above are general in nature, the Bill of Materials attached as **Exhibit B** controls the specific requirements to be covered by this procurement.

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

- 2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them. Additional definitions can be found in Section 2 of the General Terms and Conditions.
- 2.1 “Contract Item”** means Hardware and Software Maintenance and Support for Agency Owned Cisco products known as SMART Net Total Care, or Equal as more fully described by these specifications.
- 2.2 “Pricing Page”** means the pages contained in wvOASIS or attached as **Exhibit A**, upon which Vendor should list its proposed price for the Contract Items.
- 2.3 “Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
- 2.4 “Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
- 2.5 “FIPS”** means Federal Information Processing Standard.
- 2.6 “RJ-45”** means a 8-pin/8-position plug or jack commonly used to connect computer into Ethernet-based local area networks.
- 2.7 “Cryptographic modules”** means any combination of hardware, firmware or software that implements cryptographic functions such as encryption, decryption, digital signatures, authentication techniques and random number generation.
- 2.8 “PoE”** means Power over Ethernet which describes any of several standardized or ad-hoc systems which pass electrical power along with data on twisted pair Ethernet cabling.
- 2.9 “Layer 3 Switch”** means a specialized hardware device used in network routing. Layer 3 switches technically share much in common with traditional routers.
- 2.10 “GB”** means a measure of computer data storage capacity that is roughly equivalent to 1 billion bytes.
- 2.11 “SFP+”** stands for small form-factor pluggable transceiver.
- 2.12 “SWITCH”** is a computer networking device that connects devices together on a computer network, by using packet switching to receive, process and forward data to the destination device.
- 2.13 “VLAN”** stands for virtual LAN, which is any broadcast domain that is partitioned and isolated in a computer network at the data link layer. LAN stands for local area network.

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

3. MANDATORY REQUIREMENTS:

3.1 Mandatory Contract Item Requirements: Contract Items must meet or exceed the mandatory requirements listed below.

3.1.1 Contract Item # 1: Cisco Catalyst 9300 Switches C9300-48U-A or Equal – Quantity 10

3.1.1.1 Each switch must have 48 10/100/1000 Ethernet ports

3.1.1.2 Each switch must have cryptographic modules that have been tested and validated under the Cryptographic Module Validation Program as meeting requirements for FIPS PUB 140-1 and FIPS PUB 140-2 (<http://csrc.nist.gov/groups/STM/cmvp/documents/140-111401vend.htm>)

3.1.1.3 Each switch must have at least two SFP+ uplinks

3.1.1.4 Each switch must be PoE and have at least 800Watt of available PoE Power

3.1.1.5 Each switch must be Layer 3

3.1.1.6 Each switch must include a rack mounting kit

3.1.1.7 Each switch must be brand new and factory sealed

3.1.1.8 Each switch must be capable of stacking with the Agency's existing Cisco WS-3750X-48PF-S.

3.1.1.9 Each switch must have a 3 year warranty which includes a 8 hours per day x 5 days a week next business day response time, technical support, and hardware coverage.

3.1.2 Contract Item #2: Cisco Catalyst 9300 Switches C9300-24U-A or Equal – Quantity 2

3.1.2.1 Each switch must have 24 10/100/1000 Ethernet ports

3.1.2.2 Each switch must have cryptographic modules that have been tested and validated under the Cryptographic Module Validation Program as meeting requirements for FIPS PUB 140-1 and FIPS PUB 140-2 (<http://csrc.nist.gov/groups/STM/cmvp/documents/140-111401vend.htm>)

3.1.2.3 Each switch must have at least two SFP+ uplinks

3.1.2.4 Each switch must be PoE and have at least 800Watt of available PoE Power

3.1.2.5 Each switch must be Layer 3

3.1.2.6 Each switch must include a rack mounting kit

3.1.2.7 Each switch must be brand new and factory sealed

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

3.1.2.8 Each switch must have a 3 year warranty which includes a 8 hours per day x 5 days a week next business day response time, technical support, and hardware coverage.

Response Note: Required quantities are specified in **Exhibit B**.

3.1.3 Contract Item #3: Extended Service Agreement –Cisco SMART Net Total Care or Equal.

3.1.3.1 The Manufacturer must provide Extended Service Agreement Cisco SMART Net Total Care (8x5xNBD), or Equal, for the equipment listed on Exhibit B for 36 months.

3.1.3.2 The Manufacturer must register all hardware listed on Exhibit B with Cisco SMART Net Total Care, or Equal.

3.1.3.3 The Manufacturer must provide Lottery staff 24-hour direct access to the Cisco Technical Assistance Center (TAC) to facilitate opening support cases on all covered hardware.

3.1.3.4 The Manufacturer must provide Lottery staff direct access to Cisco's knowledge library and support tools.

3.1.3.5 The Vendor solution must provide Lottery staff access to the Cisco IOS Software Center for the purpose of downloading IOS releases on all covered hardware.

3.1.3.6 The Vendor must register Lottery staff as administrators of the contract(s) in Cisco's Service Access Management Tool. Cisco Connect Online (CCO) IDs to be provided at the time of award.

3.1.3.7 The Manufacturer must replace hardware by either: (1) Next-Business-Day (NBD) on Cisco equipment covered by SMART Net Total Care 8x5xNBD, or Equal as defined in the SMART Net Total Care Service.

3.1.3.7.1 The Manufacturer must provide replacement within a time frame specified by the coverage chosen after failure to resolve technical issues using telephone support. For Next Business Day replacement parts, those parts will be available 7 hours per day (delivering the replacement hardware during normal business hours only), 5 days a week with next business day delivery.

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

3.1.3.8 Replacement parts must be received between the hours of 8:00AM through 5:00PM Eastern Standard Time, Monday through Friday excluding State and Federal holidays and weekends.

3.1.3.8.1 Only replacement parts obtained thru Cisco's Return Material Authorization (RMA) process will be accepted. All hardware must be certified by Cisco as new or functional at the same level as new.

3.1.3.9 Should the Manufacturer find a line item unrepairable and need replaced, a formal notification via a change order issued by Purchasing Division will be initiated by the Agency to capture changes in equipment via formal memo. Maintenance subscription and coverage will be transferred to any item replaced thru Cisco's RMA process.

3.1.3.10 The Vendor must provide new and unused equipment from the Manufacturer. The equipment must be supported and maintained by the OEM for 36 months.

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agency with a purchase price for the Contract Services. The Contract shall be awarded to the Vendor that provides the Contract Services meeting the required specifications for the lowest overall Total Bid Amount as shown on the Pricing Page.

4.1.1 Vendor should provide with their bid a copy of any and all Software Terms and Conditions or licenses that the State of West Virginia or the Agency will have to agree to or accept as a part of this solicitation. **This information will be required before Purchase Order is issued.**

4.1.2 Vendor should include a copy of any Maintenance Terms and Conditions or Licenses that the State of West Virginia or the Agency will be required to agree to and accept as a part of this solicitation. **This information will be required before Purchase Order is issued.**

4.2 Pricing Page: Vendor should complete the Pricing Page (Exhibit A) by providing a Total Bid Amount. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

If the Vendor is submitting an Equivalent Brand this information, including Model Number, should be provided with their bid submission. Any product brochures to support should be submitted with vendors bid response. This information WILL be required before award of contract.

5. PAYMENT:

5.1 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

6. DELIVERY AND RETURN:

6.1 Shipment and Delivery: Vendor shall ship applicable Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items within thirty (30) calendar days after receiving a purchase order. Contract Items must be delivered to:

**West Virginia Lottery
900 Pennsylvania Avenue
Charleston, WV 25302.**

6.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party. Any agency seeking to obtain the Contract Items from a third party under this provision must first obtain approval of the Purchasing Division.

6.3 Delivery Payment/Risk of Loss: Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.

6.4 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

6.5 Return Due to Agency Error: Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any

REQUEST FOR QUOTATION
Replacement of Cisco Switches and Support

restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

7. VENDOR DEFAULT:

The following shall be considered a Vendor default under this Contract.

7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

7.1.2 Failure to comply with other specifications and requirements contained herein.

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

Exhibit A - Pricing Page
Network Equipment

Item #	Item Description	Unit of Measure	Unit Price	Qty	Extended Price
3.1.1	Cisco Catalyst 9300 Switches (C9300-48U-A) or Equal	Each		10	
3.1.2	Cisco Catalyst 9300 Series Switches (C9300-24U-A) or Equal	Each		2	
3.1.3	Extended Service Agreement - Cisco Smart Net Total Care or Equal <i>*see Exhibit B - BOM</i>	Month		36	
				Total Bid Amount	

EXHIBIT B

Line Number	Part Number	Description	Service	Qty
1.0	C9300-24U-A	Catalyst 9300 24-port UPOE, Network Advantage	---	2
1.1	C9300-NW-A-24	C9300 Network Advantage, 24-port license	---	2
1.2	SC9300UK9-173	UNIVERSAL	---	2
1.3	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	---	2
1.4	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	---	2
1.5	CAB-TA-NA	North America AC Type A Power Cable	---	4
1.6	STACK-T1-50CM	50CM Type 1 Stacking Cable	---	2
1.7	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	---	2
1.8	C9300-DNA-P-24	C9300 24-Port DNA-Premier License	---	2
1.9	ISE-BASE-T	ISE BASE Term License	---	100
1.10	ISE-PLS-T	ISE PLS Term License	---	100
1.11	SWATCH-T	StealthWatch 1 FPS Term License	---	200
1.12	TE-EMBEDDED- T	Cisco ThousandEyes Enterprise Agent IBN Embedded	---	2
1.13	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	---	2
1.14	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	---	2
1.15	NETWORK-PNP- LIC	Network Plug-n-Play Connect for zero-touch device deployment	---	2
1.16	D-DNAS-EXT-S-T	Cisco DNA Spaces Extend Term License for Catalyst Switches	---	2
1.17	TE-C9K-SW	TE agent for IOSXE on C9K	---	2
1.18	SSD-240G	Cisco pluggable USB3.0 SSD storage	---	2
2.0	C9300-48U-A	Catalyst 9300 48-port UPOE, Network Advantage	---	10
2.1	C9300-NW-A-48	C9300 Network Advantage, 48-port license	---	10
2.2	SC9300UK9-173	UNIVERSAL	---	10
2.3	PWR-C1-1100WAC-P	1100W AC 80+ platinum Config 1 Power Supply	---	10
2.4	PWR-C1-1100WAC-P/2	1100W AC 80+ platinum Config 1 Secondary Power Supply	---	10
2.5	CAB-TA-NA	North America AC Type A Power Cable	---	20
2.6	CAB-CONSOLE-USB	Console Cable 6ft with USB Type A and mini-B	---	10
2.7	STACK-T1-50CM	50CM Type 1 Stacking Cable	---	10
2.8	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	---	10
2.9	ISE-BASE-T	ISE BASE Term License	---	500
2.10	ISE-PLS-T	ISE PLS Term License	---	500
2.11	SWATCH-T	StealthWatch 1 FPS Term License	---	1000
2.12	ISE-BASE-T	ISE BASE Term License	---	500
2.13	ISE-PLS-T	ISE PLS Term License	---	500
2.14	SWATCH-T	StealthWatch 1 FPS Term License	---	1000
2.15	TE-EMBEDDED- T	Cisco ThousandEyes Enterprise Agent IBN Embedded	---	10
2.16	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	---	10
2.17	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	---	10
2.18	NETWORK-PNP- LIC	Network Plug-n-Play Connect for zero-touch device deployment	---	10
2.19	SSD-240G	Cisco pluggable USB3.0 SSD storage	---	10
2.20	TE-C9K-SW	TE agent for IOSXE on C9K	---	10
2.21	C9300-DNA-P-48	C9300 48-Port DNA-Premier License	---	10
2.22	CAT-DNA-P-ADD	Catalyst DNA Premier Add-On, Term Licenses	---	10
2.23	D-DNAS-EXT-S-T	Cisco DNA Spaces Extend Term License for Catalyst Switches	---	10
3.0	CON-SNT-C93002UA	SNTC-8X5XNBD Catalyst 9300 24-port UPOE, Network Adva	36	2
4.0	C9300-DNA-P-24-3Y	C9300 DNA Premier, 24-Port, 3 Year Term License	36	2
4.1	ISE-BASE-TRK-3Y	ISE BASE Tracker Term 3Y	36	100
4.2	ISE-PLS-TRK-3Y	ISE PLS Tracker Term 3Y	36	100
4.3	SWATCH-TRK-3Y	SWATCH Tracker Term 3Y	36	200
4.4	TE-EMBEDDED-T-3Y	ThousandEyes - Enterprise Agents	36	2
4.5	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	36	2
4.6	D-DNAS-EXT-S-3Y	Cisco DNA Spaces Extend for Catalyst Switching - 3Year	36	2
5.0	CON-SSSNT-C93004UA	SOLN SUPP 8X5XNBD Catalyst 9300 48-port UPOE, Network Adva	36	10
5.1	CON-SSTCM-C93P48	SOLN SUPP SW SUBC9300 48Port DNAPr	36	10
5.2	CON-SSTCM-CATPADD	SOLN SUPP SW SUBCatalyst DNA Premier	36	10
6.0	ISE-BASE-TRK-3Y	ISE BASE Tracker Term 3Y	36	500
6.1	ISE-PLS-TRK-3Y	ISE PLS Tracker Term 3Y	36	500
6.2	SWATCH-TRK-3Y	SWATCH Tracker Term 3Y	36	1000
6.3	ISE-BASE-TRK-3Y	ISE BASE Tracker Term 3Y	36	500
6.4	ISE-PLS-TRK-3Y	ISE PLS Tracker Term 3Y	36	500
6.5	SWATCH-TRK-3Y	SWATCH Tracker Term 3Y	36	1000
6.6	TE-EMBEDDED-T-3Y	ThousandEyes - Enterprise Agents	36	10
6.7	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	36	10
6.8	C9300-DNA-P-48-3Y	C9300 DNA Premier, 48-Port, 3 Year Term License	36	10
6.9	CAT-DNA-P-ADD-3Y	DNA Premier Catalyst Add-on, 3 Year Term License	36	10
6.10	D-DNAS-EXT-S-3Y	Cisco DNA Spaces Extend for Catalyst Switching - 3Year	36	10

Product Highlights

Power over Ethernet plus 25/100G

720XP-96ZC2

- 80 x mGig (100M - 2.5Gb) RJ45 @ 60W
- 16 x mGig (100M - 5Gb) RJ45 @ 60W
- Uplinks: 4x 25G, 2x 100G

720XP-48ZC2

- 40 x mGig (100M - 2.5Gb) RJ45 @ 30W
- 8 x mGig (100M - 5Gb) RJ45 @ 60W
- Uplinks: 4x 25G, 2x 100G

720XP-24ZY4

- 16 x mGig (100M - 2.5Gb) RJ45 @ 30W
- 8x mGig (100M - 5Gb) RJ45 @ 60W
- Uplinks: 4x 25G

720XP-48Y6

- 48 x 10M-1GbE RJ45 @ 30W
- Uplinks: 6x 25G

720XP-24Y6

- 24x 10M-1GbE RJ45 @ 30W
- Uplinks: 6x 25G

Segmentation and overlay

- 4096 802.1Q VLANs
- IPv4/v6 VRFs
- 16.7 Million VXLAN networks
- EVPN L2/3 (type 2/5)

Traffic and Flow Monitoring

- Hardware accelerated monitoring
- sFlow and IPFIX
- FlowTracker to inventory devices and monitor conversations

Cognitive Campus Resilience

- N+1 redundant power/cooling
- Active/Active MLAG aggregation
- Dynamic uplink load balancing
- ISSU for software upgrades and hitless patching

Arista Extensible Operating System (EOS®)

- Single binary image
- Fine-grained truly modular network OS
- Stateful Fault Containment (SFC)
- Stateful Fault Repair (SFR)
- Full access to Linux shell and tools
- Extensible platform - bash, python, C++, GO, OpenConfig

Overview

The Arista Cognitive Campus CCS-720 series switches deliver wire speed connectivity and power for all campus user workloads, under the management and monitoring of Arista Cognitive Campus Services. The suite of platforms offer a variety of connection options for user desktops, PoE appliances and IoT devices. Managed 802.3af/at/bt power services deliver up to 60W per RJ45 port, with speed options ranging from 10Mbps to 5Gbps. Modular SFP+ and QSFP+ uplinks support speeds from 1Gbps to 100Gbps delivering network design flexibility and scalability.



Arista's common binary EOS provides a comprehensive, standards based, layer 2 and 3 feature set that includes EVPN virtualization and QoS services. EOS supports standards based 802.1X access control, and LLDP device identification services to automate admission and segmentation of users, appliances, plus all mission critical voice, video and general purpose applications in the campus. Together, Arista's family of switching and WiFi platforms are managed through a single Cognitive Campus management plane in CloudVision, providing sub-second real time telemetry, database archival and automated analytics to manage and monitor the infrastructure, users and applications in the Campus-Cloud Network.

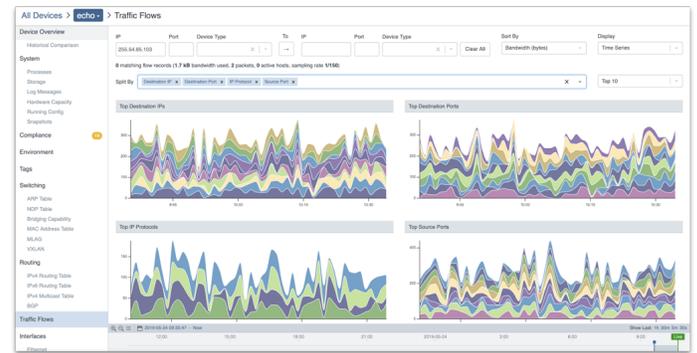
Cognitive Campus

The Cognitive Management Plane (CMP) in Arista's EOS provides rich control and telemetry APIs used to simplify and automate the deployment, and maintenance of campus infrastructure while also providing real-time monitoring of campus users, applications and devices. As with all Arista platforms, EOS supports auto provisioning by way of Arista Zero Touch Provisioning (ZTP) to simplify device administration through CloudVision, or popular DevOps toolsets. In addition to legacy polling management, EOS CMP delivers real time telemetry to administrators using open GRPC/GNMI APIs used in OpenConfig, allowing administrators to create custom management tools.

Arista EOS

The Arista 720XP series runs the same Arista EOS software as all Arista products, simplifying network administration. Arista EOS is a modular switch operating system with a unique state sharing architecture that cleanly separates switch state from protocol processing and application logic. Built on top of a standard Linux kernel, all EOS processes run in their own protected memory space and exchange state through an in-memory database. This multi-process state sharing architecture provides the foundation for in-service-software updates and self-healing resiliency. With Arista EOS, advanced monitoring and automation capabilities such as Zero Touch Provisioning, VMTracer and Linux based tools can be run natively on the switch.

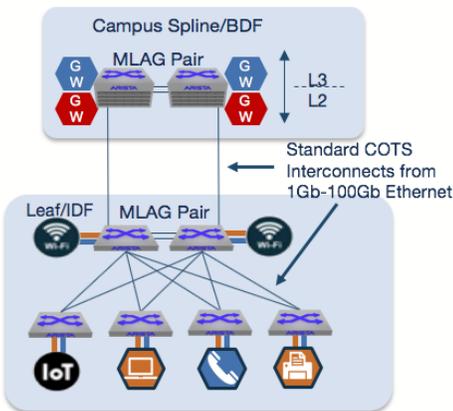
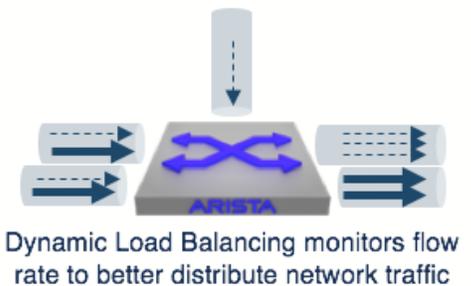
Driving the campus CMP (Cloud Management Plane) in the CCS-720 is the FlowTracker hardware telemetry feature (IPFIX), native in the CCS-720 series non-blocking switching processor. FlowTracker delivers real time updates for all device state, performance statistics, and application flows, without burdening other system functions. Over a thousand unique flows can be concurrently tracked per switch, with hardware support to scale to 32K flows. Device fingerprinting features are also supported, allowing the 720XP to identify connected device type, operating system and user id, helping facilitate security audits and workgroup/workload segmentation.



With the rich telemetry of the CCS-720, Arista's CloudVision tracks application, user and device activity, measuring throughput and latency of key applications, user and device flows. CloudVision Device Analyzer (pictured above) baselines real time traffic to help alert administrators of performance or security outliers.

Customizable Topologies for Optimized Performance

As with all Arista devices, the CCS-720 switches support open, standards based, L2 MLAG and L3 ECMP load balancing features. Administrators can employ either scheme to deliver high availability load sharing at the core building, or intermediate distribution frame. The CCS-720's Dynamic Load Balancing (DLB) feature improves on typical load sharing by dynamically tracking flow volumes and rebalancing them across shared links to optimize network utilization. DLB interoperates with other networking platforms, helping administrators improve the performance of their installed campus infrastructure.



The 720XP uses standard RJ45, SFP+ and QSFP+ interfaces for in closet and uplink interconnections, giving administrators the freedom to choose the right media type and speed that suits campus use cases and their budget. In addition to the variety of SFP+ and QSFP+ copper and fiber modules that support speeds from 1Gb-100Gb are the 10G/25G multi-rate SFP+ optical modules. These optics allow administrators to invest in 25Gb but still run in 10Gb mode while connected to legacy infrastructure, thus simplifying campus migrations and reduce CapEx.

Cognitive Segmentation

The CCS-720 series supports industry standard 802.1X and RADIUS authentication schemes, and interoperates with leading authentication solutions. Authorized users and devices can be automatically segmented into assigned 802.1Q or EVPN VXLAN segmented networks, facilitating infrastructure and data security. Wire-speed layer 3 VRF segmentation is also supported, giving administrators additional flexibility for supporting the most sophisticated campus use cases. The CCS-720 switches also help administrators with WiFi segmentation by providing hardware based VXLAN de-encapsulation of tunneled WiFi traffic.

CloudVision

CloudVision is Arista's management plane solution for simplifying network operations. Built on a modern state-streaming architecture, CloudVision is a multi-function software platform that enables a suite of capabilities for automated provisioning, change control, continuous compliance, real-time telemetry, predictive analytics and 3rd party management plane orchestration. As a multi-domain solution, CloudVision is a single management platform across data center, campus, WiFi, multi-cloud, and routing interconnect use-cases. The same CloudVision software is offered as an on-prem appliance (virtual or physical) as well as CloudVision as-a-Service, which is a Arista-managed SaaS solution.

Cognitive PoE for Mission Critical Services

Power efficiency, flexible options, power prioritization and constant PoE allow the CCS-720 series switches to support critical campus services like video security and emergency communications. 802.3af, at and bt power options deliver from 15-60W to RJ45 ports. The CCS-720 platinum rated power supplies, coupled with its low nominal consumption leaves an ample power budget for connected appliances and IoT devices. A choice of 650W or 1050W single or redundant AC power supply and 700W DC power supply options allow administrators to customize power allocation and redundancy to meet their use cases and budget.

Dynamic Power Management

Arista leverages state of the art switching and power management technology that not only delivers enhanced power delivery options supporting the latest standards, but does so more efficiently and reliably than standard PoE delivery, so administrators can support more devices cost effectively. Dynamic PoE management enhances power budgeting and allocation features to help economize power allocation to powered devices (PD) connected to each switch dynamically allocating PoE power based on priority settings. Load sharing Power Supplies allow customers to share a common PoE bank between the power supplies within a switch, optimizing unused power bank typically allocated for the board to power more PoE devices. Persistent PoE provides power to the powered device (PD) connected to a PoE port even when the Power Sourcing Equipment (PSE) is rebooting. With cognitive campus monitoring, power configuration and utilization are tracked in real time and archived, so administrators can accurately monitor and report service levels and infrastructure power demands.



*PWR-621-AC-RED and PWR-1021-AC-RED (front to rear airflow)
PWR-621-AC-BLUE (rear to front airflow)
PWR-721-DC-RED (front to rear airflow)*



*FAN-7000 (front to rear)
FAN-7000R (rear to front)
FAN-7012M-RED (front to rear airflow)*

Power supplies and Fans

Campus CCS-720 series switches support N+1 redundant power supplies. The 720XP 24/48 port switches ship with one or two power supply by default, and the second power supply can be purchased when the switch is ordered or at a later time. If only one power supply is installed, it should always be in power supply bay #1. The switches also ship with three field-replaceable fans. The CCS-720 96 port switch ship with two or four power supplies by default, and the third and fourth power supply can be purchased when the switch is ordered or at a later time.

Power Supply Models	720XP-96ZC2	720XP-48ZC2	720XP-24ZY4	720XP-48Y6	720XP-24Y6
Power Supplies Supported	650W 1050W	650W 1050W	650W 1050W	650W (F-R and R-F) 1050W 700W (DC)	650W (F-R and R-F) 1050W 700W (DC)
Default Power Supply(ies)	2 X 1050W	1050W	650W	1050W	650W
Available PoE Power†	1722W	873W	473W	873W/523W(DC)	473W/523W(DC)
Dual 650W AC PS	2372W	1523W	1123W	1523W	1123W
Dual 1050W AC PS	2772W	1923W	1523W	1923W	1523W
Dual 700W DC PS	NA	NA	NA	1223W	1223W
Four 1050W AC PS	3512W	NA	NA	NA	NA

Specifications

Feature/Model	720XP-96ZC2	720XP-48ZC2	720XP-24ZY4	720XP-48Y6	720XP-24Y6
Ports	96 RJ45 4 25G SFP 2 100G QSFP	48 RJ45 4 25G SFP 2 100G QSFP	24 RJ45 4 25G SFP	48 RJ45 6 25G SFP	24 RJ45 6 25G SFP
10M-1G UTP (30W) ¹	N/A	N/A	N/A	48	24
100M-2.5G UTP (30W) ¹	0	40	16	N/A	N/A
100M-2.5G UTP (60W) ²	80	0	0	0	0
100M-5G UTP (60W) ²	16	8	8	N/A	N/A
25G SFP	4	4	4	6	6
100G QSFP	2	2	N/A	N/A	N/A
Throughput (2 way)	1160Gbps	880Gbps	396Gbps	360Gbps	348Gbps
Packets/Second (2 way)	1726Mpps	1309Mpps	589Mpps	536Mpps	518Mpps
Latency (RJ-45)	1.2 microseconds				
CPU	Dual Core-x86				
System Memory	4GB				
System Flash	8GB				
Packet Buffer	16MB	8MB	8MB	8MB	8MB
USB Ports	1				
Console Ports	1				
100M/1G Management port	1				
Airflow	Front-Rear	Front-Rear	Front-Rear	Front-Rear Rear-Front	Front-Rear Rear-Front
Power (Nom/Max ³ , excluding PoE)	245W/378W	164W/177W	164W/177W	164W/177W	164W/177W
Size (WxHxD)	44.5 x 8.8 x 40.5cm (17.5 x 3.46 x 15.9 inches)		1U 17.5" x 1.75" x 12.5" (44.5 x 4.4 x 31.75 cm)		
Weight	31 lb (14.1 kg)	15.6 lbs (7kg)	13.6 lbs (6.2kg)	15.3 lbs (6.9kg)	13.3 lbs (6kg)
Fans: 3 (N+1 redundant)	FAN-7012M-RED	FAN-7000-F	FAN-7000-F	FAN-7000-F/R	FAN-7000-F/R
Maximum Power Supply	4	2	2	2	2
Power Supply	PWR-1021-AC	PWR-1021-AC	PWR-621-AC	PWR-1021-AC PWR-721-DC	PWR-621-AC PWR-721-DC
EOS License Group	LIC-FIX-MG-xxx				
Minimum EOS	4.24(FX)	4.21	4.21	4.22 (FX)	4.22 (FX)

Arista 720XP-96ZC2

Provides:

- 80 x mGig (100M - 2.5Gb) RJ45 @ 60W
- 16 x mGig (100M - 5Gb) RJ45 @ 60W
- Uplinks: 4x 25G, 2x 100G
- 2240Gbps switching bandwidth



Arista 720XP-48ZC2

Provides:

- 40 x mGig (100M - 2.5GbE) RJ45 @ 30W
- 8 x mGig (100M - 5GbE) RJ45 @ 60W
- Uplinks: 4 x 25G, 2 x 100G
- 1120Gbps switching bandwidth



Arista 720XP-48Y6

Provides:

- 48 x 10M - 1GbE RJ45 @ 30W
- Uplinks: 6 x 25G
- 700Gbps switching bandwidth



Arista 720XP-24ZY4

Provides:

- 16 x mGig (100M - 2.5GbE) RJ45 @ 30W
- 8 x mGig (100M - 5GbE) RJ45 @ 60W
- Uplinks: 4 x 25G
- 1120Gbps switching bandwidth



Arista 720XP-24Y6

Provides:

- 24 x 10M - 1GbE RJ45 @ 30W
- Uplinks: 6 x 25G
- 400Gbps switching bandwidth



Campus Overlay Scale

The CCS-720 series switches utilizes data center class virtualization features to provide hundreds of segmented networks to thousands of users and devices. In addition to 4K 802.1Q VLANs, the CCS-720 delivers 16.7 million VXLAN overlay networks with CVX and EVPN control plane support. The combination of virtualization scale plus the layer 2 and 3 hardware scale of the CCS-720 series ensures administrators can implement large segmented and secure campus networks with the ability to scale in the future.

Scaling Capabilities

Specifications:

All Platforms*

	Mode 0	Mode 1	Mode 2†	Mode 3	Mode 4
MAC Addresses	112k	96k	64k	32k	16k
IPv4 Host Routes	16K	32k	64K	96k	16k
IPv4 LPM Routes	16K	16K	16K	16K	144K
IPv6 LPM Routes	8K	8K	8K	8K	72K
IGMP Groups			4K		
IPv4 Multicast Groups			8K		
ACL Entries (Ingress/Egress)			2K/1K		

*User modes includes per table customizable option

†Default mode

Layer 2 Features

- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree Protocol
- Rapid Per VLAN Spanning Tree (RPVST+)
- 4096 VLANs
- Q-in-Q
- 802.3ad Link Aggregation/LACP
 - 64 Ports / Channel
 - 224 groups per system
- MLAG (Multi-Chassis Link Aggregation)
 - Uses IEEE 802.3ad LACP
 - 128 ports per MLAG
- 802.1Q VLANs/Trunking
- 802.1AB Link Layer Discovery Protocol
- 802.3x Flow Control
- Jumbo Frames (9216 Bytes)
- IGMP v1/v2/v3 snooping
- Storm Control
- 802.1 AVB *
- SMPTE-2059-2 *
- VXLAN Tunnel Virtual Port Termination: 4K

Layer 3 Features

- Routing Protocols: OSPF, OSPFv3, BGP, MP-BGP, IS-IS, and RIPv2
- 64-way Equal Cost Multi-path Routing (ECMP)
- Resilient ECMP Routes
- VRF
- Bi-Directional Forwarding Detection (BFD)
- Route Maps
- IGMP v2/v3
- PIM-SM / PIM-SSM * / PIM-BiDiR
- Anycast RP (RFC 4610)
- VRRP
- Virtual ARP (VARP)
- Policy Based Routing (PBR)
- Unicast Reverse Path Forwarding (uRPF)
- GRE IP Decap
- Selective Route Download

Advanced Monitoring and Provisioning

- Latency Analyzer and Microburst Detection (LANZ)
- Configurable Congestion Notification (CLI, Syslog) *
- Streaming Events (GPB Encoded) *
- Capture/Mirror of congested traffic *
- Zero Touch Provisioning (ZTP)
- Integrated packet capture/analysis with TCPDump
- Advanced Mirroring - Port Mirroring (16 sessions)
 - Enhanced Remote Port Mirroring
 - Port Mirroring (4 active sessions)
 - L2/3/4 Filtering on Mirror Sessions
- Advanced Event Management suite (AEM)
 - CLI Scheduler
 - Event Manager

- Event Monitor
 - Linux tools
- FlowTracker features
- RFC 3176 sFlow
- IPFIX support
- Restore & configure from USB
- Software Defined Networking (SDN)
 - Openflow 1.0 *
 - Openflow 1.3 *
 - Arista DirectFlow
 - eAPI
 - OpenStack Neutron Support
- IEEE 1588 PTP (Transparent Clock and Boundary Clock)

Virtualization Support

- VXLAN Routing and Bridging
 - EOS CVX control plane
 - EVPN type 2 and type 5

Security Features

- PDP
- Service ACLs
- Control Plane Protection (CPP)
- Ingress / Egress ACLs using L2, L3, L4 fields
- Ingress / Egress ACL Logging and Counters
- MAC ACLs
- 802.1X Enhancements
 - Multi-Host 802.1X AUTH
 - MAC-Based AUTH (MAB)
 - Dynamic VLAN assignment
 - Named VLAN support
- ACL Deny Logging
- ACL Counters
- Atomic ACL Hitless restart
- DHCP Relay
- MAC access list security
- TACACS+
- RADIUS
- ARP trapping and rate limiting

Quality of Service (QoS) Features

- Up to 8 queues per port
- 802.1p based classification
- DSCP based classification and remarking
- Explicit Congestion Notification (ECN)
- QoS interface trust (COS / DSCP)
- Strict priority queueing
- Weighted Round Robin (WRR) Scheduling
- Per-Priority Flow Control (PFC)
- ACL based DSCP Marking
- ACL based Policing
- Policing/Shaping
- Rate limiting

PoE Capabilities

- LLDP enhancements for PoE including Media Endpoint Discovery (MED) attributes reporting
- PoE Controls
- VLAN for VoIP, QoS

Network Management

- CloudVision
- Configuration session commit and rollback
- 100/1000 Management Port
- RS-232 Serial Console Port
- USB Port
- SNMP v1, v2, v3
- Management over IPv6
- Telnet and SSHv2
- Syslog
- AAA
- Industry Standard CLI
- Beacon LED for system identification
- System Logging
- Environment monitoring
- MLAG ISSU
- Maintenance mode

Extensibility

- Linux Tools
 - Bash shell access and scripting
 - RPM support
 - Custom kernel modules
- Programmatic access to system state
 - Python
 - C++
 - Go
- Native KVM/QEMU support

Standard Compliance

- 802.1D Bridging and Spanning Tree
- 802.1p QOS/COS
- 802.1Q VLAN Tagging
- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree Protocol
- 802.1AB Link Layer Discovery Protocol
- 802.3ad Link Aggregation with LACP
- 802.3az Energy Efficient Ethernet (EEE) *
- 802.3x Flow Control
- 802.3u 100BASE-TX
- 802.3ab 1000BASE-T
- 802.3z 1000BASE-X
- 802.3ae 10 Gigabit Ethernet
- 802.3af/at 15W/30W Power over Ethernet (PoE)
- 802.3bt 60W Power over Ethernet (PoE)

- 802.3by 25 Gigabit Ethernet
- 802.3ba 40 Gigabit Ethernet
- 802.3ba 100 Gigabit Ethernet
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 2461 Neighbor Discovery for IP Version 6 (IPv6)
- RFC 2462 IPv6 Stateless Address Auto-configuration
- RFC 2463 Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification
- IEEE 1588-2008 Precision Time Protocol

SNMP

- RFC 3635 EtherLike-MIB
- RFC 3418 SNMPv2-MIB
- RFC 2863 IF-MIB
- RFC 2864 IF-INVERTED-STACK-MIB
- RFC 2096 IP-FORWARD-MIB
- RFC 4363 Q-BRIDGE-MIB
- RFC 4188 BRIDGE-MIB
- RFC 2013 UDP-MIB
- RFC 2012 TCP-MIB
- RFC 2011 IP-MIB
- RFC 2790 HOST-RESOURCES-MIB
- RFC 3636 MAU-MIB
- RMON-MIB
- RMON2-MIB
- HC-RMON-MIB
- LLDP-MIB
- LLDP-EXT-DOT1-MIB
- LLDP-EXT-DOT3-MIB
- ENTITY-MIB
- ENTITY-SENSOR-MIB
- ENTITY-STATE-MIB
- ARISTA-ACL-MIB
- ARISTA-QUEUE-MIB
- RFC 4273 BGP4-MIB
- RFC 4750 OSPF-MIB
- ARISTA-CONFIG-MAN-MIB
- ARISTA-REDUNDANCY-MIB
- RFC 2787 VRRPv2MIB
- MSDP-MIB
- PIM-MIB
- IGMP-MIB
- IPMROUTE-STD-MIB
- SNMP Authentication Failure trap
- ENTITY-SENSOR-MIB support for DOM (Digital Optical Monitoring)
- User configurable custom OIDs

See EOS release notes for Supported MIBs

*Not currently supported in EOS

Supported Optics and Cables

Interface Type	40/100G QSFP Ports	10G	10G
10GBASE-CR	0.5m to 5m QSFP+ to 4x SFP+	10GBASE-CR	SFP+ to SFP+: 0.5m-5m
40GBASE-CR4	0.5m to 5m QSFP+ to QSFP+	10GBASE-AOC	SFP+ to SFP+: 3m-30m
40GBASE-AOC	3m to 100m	10GBASE-T	100m
40GBASE-UNIV	150m (OM3) /150m (OM4) /500m (SM)	10GBASE-SRL	100m
40GBASE-SRBD	100m (OM3) /150m (OM4)	10GBASE-SR	300m
40GBASE-SR4	100m (OM3) /150m (OM4)	10GBASE-LRL	1km
40GBASE-XSR4	300m (OM3) /400m (OM4)	10GBASE-LR	10km
40GBASE-PLRL4	1km (1km 4x10G LR/LRL)	10GBASE-ER	40km
40GBASE-LRL4	1km	10GBASE-ZR	80km
40GBASE-PLR4	10km (10km 4x10G LR/LRL)	10GBASE-DWDM	80km
40GBASE-LR4	10km	100Mb TX,1GbE SX/LX/TX	Yes
40GBASE-ER4	40km		
100G	100G	25G	25G
100GBASE-SR4	70m OM3 / 100m OM4 Parallel MMF	25GBASE-CR	QSFP to SFP+: 1m-5m lengths
100GBASE-SWDM4	70m OM3 / 100m OM4 Duplex MMF	25GBASE-AOC	SFP+ to SFP+: 3m-30m
100GBASE-SRBD	70m OM3 / 100m OM4 Duplex MMF	25G-MR-XSR (10/25G Multi)	up to 200M/300M over OM3/OM4
100GBASE-LR4	10km SM Duplex	25GBASE-SR	70m
100GBASE-LRL4	2km SM Duplex	25G-MR-LR (10/25G Multi)	10km
100GBASE-CWDM4	2km SM Duplex	25GBASE-LR	10km
100GBASE-XCWDM4	10km SM Duplex		
100GBASE-PSM4	500m SM Parallel		
100GBASE-AOC	1m to 30m		
100GBASE-ERL4	40km SM Duplex		
100GBASE-CR4	QSFP to QSFP: 1m to 5m		

Environmental Characteristics

Operating Temperature	0 to 40C (32 to 104F)
Storage Temperature	-40 to 70C (-40 to 158F)
Relative Humidity	5 to 95%
Operating Altitude	0 to 10,000 ft, (0-3,000m)
Measured sound (ISO 7779) declared (ISO 9296) at 50% & 100% power	Lwa (dB) 57.59/68.17 (1RU) Lwa(dB) 68.47/78.18 (2RU)

Emissions and Safety Compliance

EMC Emissions Immunity	Emissions: FCC, EN55032, EN61000-3-2, EN61000-3-3 Immunity: EN55024, EN55035 Emissions and Immunity: EN300 386
Safety	UL/CSA 60950-1, EN 62368-1, IEC-62368-1, IEC 60950-1 CB Scheme with all country differences
Certifications	North America (NRTL) European Union (EU) BSMI (Taiwan) RCM (Australia) CCC (PRC) KC (S. Korea) EAC (Eurasian Customs Union) VCCI (Japan)
European Union Directives	2006/95/EC Low Voltage Directive 2004/108/EC EMC Directive 2011/65/EU RoHS Directive 2012/19/EU WEEE Directive

Power Supply Specifications

Power Supply	PWR-721-DC-RED	PWR-621-AC-RED/BLUE	PWR-1021-AC-RED
Output Power	700W	650W	1050W
Input Voltage	-48 to -60VDC	100-240AC	
Input Current	25A	8 - 3.5A	12 - 5A
Input Frequency	N/A	50-60Hz	
Input Connector	AWG #12 #10	IEC-320-C16	
Efficiency	90%	80+ Platinum	

Product Number	Product Description (check with price list on description)
CCS-720XP-96ZC2-4F	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 4 x 1050W AC
CCS-720XP-96ZC2-2F	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC
CCS-720XP-96ZC2#	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, Requires PSU/Fans
CCS-720XP-48ZC2-F	Arista 720XP, 40 x 100M-2.5G PoE, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 1 x 1050W AC
CCS-720XP-48ZC2-2F	Arista 720XP, 40 x 100M-2.5G PoE, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC
CCS-720XP-48ZC2#	Arista 720XP, 40 x 100M-2.5G PoE, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, Requires PSU/Fans
CCS-720XP-24ZY4-F	Arista 720XP, 16 x 100M-2.5G PoE, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 1 x 650W AC
CCS-720XP-24ZY4-2F	Arista 720XP, 16 x 100M-2.5G PoE, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 2 x 650W AC
CCS-720XP-24ZY4#	Arista 720XP, 16 x 100M-2.5G PoE, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, Requires PSU/Fans
CCS-720XP-48Y6-F	Arista 720XP, 48 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 1050W AC
CCS-720XP-48Y6-2F	Arista 720XP, 48 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 1050W AC
CCS-720XP-48Y6#	Arista 720XP, 48 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, Requires PSU/Fans
CCS-720XP-24Y6-F	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 650W AC
CCS-720XP-24Y6-2F	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 650W AC
CCS-720XP-24Y6#	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, Requires PSU/Fans
CCS-720XP-96ZC2-4F-NA	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 4 x 1050W AC, NA Power Cord
CCS-720XP-96ZC2-2F-NA	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, NA Power Cord
CCS-720XP-48ZC2-F-NA	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 1 x 1050W AC, NA Power Cord
CCS-720XP-48ZC2-2F-NA	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, NA Power Cords
CCS-720XP-24ZY4-F-NA	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 1 x 650W AC, NA Power Cord
CCS-720XP-24ZY4-2F-NA	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 2 x 650W AC, NA Power Cords
CCS-720XP-48Y6-F-NA	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 1 x 1050W AC, NA Power Cord
CCS-720XP-48Y6-2F-NA	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 2 x 1050W AC, NA Power Cords
CCS-720XP-24Y6-F-NA	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 650W AC, NA Power Cord
CCS-720XP-24Y6-2F-NA	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 650W AC, NA Power Cords
CCS-720XP-96ZC2-4F-UK	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 4 x 1050W AC, UK Power Cord
CCS-720XP-96ZC2-2F-UK	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, UK Power Cord
CCS-720XP-48ZC2-F-UK	Arista 720XP, 40 x 100M - 2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 1 x 1050W AC, UK Power Cord
CCS-720XP-48ZC2-2F-UK	Arista 720XP, 40 x 100M - 2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, UK Power Cords
CCS-720XP-24ZY4-F-UK	Arista 720XP, 16 x 2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 1 x 650W AC, UK Power Cord
CCS-720XP-24ZY4-2F-UK	Arista 720XP, 16 x 2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 2 x 650W AC, UK Power Cords
CCS-720XP-48Y6-F-UK	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 1 x 1050W AC, UK Power Cord
CCS-720XP-48Y6-2F-UK	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 2 x 1050W AC, UK Power Cords

Product Number	Product Description
CCS-720XP-24Y6-F-UK	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 650W AC, UK Power Cord
CCS-720XP-24Y6-2F-UK	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 1 x 650W AC, UK Power Cords
CCS-720XP-96ZC2-4F-EU	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 4 x 1050W AC, EU Power Cord
CCS-720XP-96ZC2-2F-EU	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, EU Power Cord
CCS-720XP-48ZC2-F-EU	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 1 x 1050W AC, EU Power Cord
CCS-720XP-48ZC2-2F-EU	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, EU Power Cords
CCS-720XP-24ZY4-F-EU	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 1 x 650W AC, EU Power Cord
CCS-720XP-24ZY4-2F-EU	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 1 x 650W AC, EU Power Cords
CCS-720XP-48Y6-F-EU	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 1 x 1050W AC, EU Power Cord
CCS-720XP-48Y6-2F-EU	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 2 x 1050W AC, EU Power Cords
CCS-720XP-24Y6-F-EU	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 650W AC, EU Power Cord
CCS-720XP-24Y6-2F-EU	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 650W AC, EU Power Cords
CCS-720XP-96ZC2-4F-C14	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 4 x 1050W AC, C14 Power Cord
CCS-720XP-96ZC2-2F-C14	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, C14 Power Cord
CCS-720XP-48ZC2-F-C14	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 1 x 1050W AC, C14 Power Cord
CCS-720XP-48ZC2-2F-C14	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, C14 Power Cords
CCS-720XP-24ZY4-F-C14	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4x25G SFP switch, front to rear air, 1 x 650W AC, C14 Power Cord
CCS-720XP-24ZY4-2F-C14	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4x25G SFP switch, front to rear air, 2 x 650W AC, C14 Power Cords
CCS-720XP-48Y6-F-C14	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 1 x 1050W AC, C14 Power Cord
CCS-720XP-48Y6-2F-C14	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 2 x 1050W AC, C14 Power Cords
CCS-720XP-24Y6-F-C14	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 650W AC, C14 Power Cord
CCS-720XP-24Y6-2F-C14	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 650W AC, C14 Power Cords
CCS-720XP-96ZC2-4F-JPN	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 4 x 1050W AC, JPN Power Cord
CCS-720XP-96ZC2-2F-JPN	Arista 720XP, 96 x 100M-5G PoE, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, JPN Power Cord
CCS-720XP-48ZC2-F-JPN	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 1 x 1050W AC, JPN Power Cord
CCS-720XP-48ZC2-2F-JPN	Arista 720XP, 40 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP, 2 x 100G QSFP switch, front to rear air, 2 x 1050W AC, JPN Power Cords
CCS-720XP-24ZY4-F-JPN	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 1 x 650W AC, JPN Power Cord
CCS-720XP-24ZY4-2F-JPN	Arista 720XP, 16 x 100M-2.5G, 8 x 100M-5G PoE, 4 x 25G SFP switch, front to rear air, 2 x 650W AC, JPN Power Cords
CCS-720XP-48Y6-F-JPN	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 1 x 1050W AC, JPN Power Cord
CCS-720XP-48Y6-2F-JPN	Arista 720XP, 48 x 10/100M-1G, 6 x 25G SFP switch, front to rear air, 2 x 1050W AC, JPN Power Cords
CCS-720XP-24Y6-F-JPN	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 1 x 650W AC, JPN Power Cord
CCS-720XP-24Y6-2F-JPN	Arista 720XP, 24 x 10/100M-1G PoE, 6 x 25G SFP switch, front to rear air, 2 x 650W AC, JPN Power Cords

Product Number	Product Description
LIC-FIX-MG-E	Enhanced License for Arista Fixed 1G/mG Ethernet Switches (OSPF, BGP, ISIS, PIM, VXLAN)
LIC-FIX-MG-FLX-L	FLX-Lite License for Arista Fixed 1G/mG Ethernet Switches - Full Routing Up to 32K Routes, EVPN, VXLAN
SS-CV-G-SWITCH-1M	CloudVision SW Subscription License for 1-Month for 1 Switch. 1G Platforms. Includes Z.
SS-CV-LT-G-SWITCH-1M	CloudVision Lite SW Subscription License for 1-Month for 1 Switch. 1G Platforms.
PWR-621-AC-RED	Spare 650 Watt AC power supply for Arista 720XP 1RU Switches (front-to-rear airflow)
PWR-1021-AC-RED	Spare 1050 Watt AC power supply for Arista 720XP 1RU Switches (front-to-rear airflow)
PWR-621-AC-BLUE	Spare 650 Watt AC power supply for Arista 720XP 1RU Switches (rear-to-front airflow)
PWR-721-DC-RED	Spare 700 Watt DC power supply for Arista 720XP 1RU Switches (front-to-rear airflow)
FAN-7012M-RED	Spare fan module for Arista 7000 Series 2RU Enhanced Fan Speed (front-to-rear airflow)
FAN-7000-F	Spare fan module for Arista 720XP, 7150, 7050X, and 7280 switches (front-to-rear airflow)
FAN-7000-R	Spare fan module for Arista 720XP, 7150, 7050X, and 7280 switches (rear-to-front airflow)
CCS-720-PCVR	Spare Blank Cover for 720 Series Power Supply Slot
KIT-CCS-720	Spare accessory kit for Arista 720XP 2RU Series switches
KIT-720	Spare accessory kit for Arista 720XP 1RU Series switches
KIT-GND-EXT-2RU	Arista 720XP series, 2RU ground extender kit for NEBS compliance
KIT-7010-4POST	Spare 4-post rack mount kit for 7010T and 720 switches
KIT-7010-2POST-23	Spare 2-post 23" rack mount kit for 7010T and 720 switches
CAB-C15-AUS	Power Cord, Australia, C15 to AS/NZS 3112, 8 Feet (2.5m)
CAB-C14-C15	Power Cord C15 to C14 (2m)
CAB-C15-EUR	Power Cord, Europe, C15 to CEE 7/7, 8 Feet (2.5m)
CAB-C15-IT	Power Cord, Italy, C15 to CEI 23-16, 8 Feet (2.5m)
CAB-C15-UK	Power Cord, United Kingdom, C15 to BS 1363/A, 8 Feet (2.5m)
CAB-C15-NA	Power Cord, North America, C15 to NEMA 5-15P, 8 Feet (2.5m)
CAB-C15-JPN	Power Cord, JAPAN, C15 to NEMA5-15P, 12A/125V, 1.25mm2, 1.8M, PSE
CAB-C15-ISR	Power Cord, Israel, C15-SI32, 10A/250V, 1.00mm2, 2.5M
CAB-C15-CHN	Power Cord, China, C15-GB2099, 10A/250V, 1.00mm2, 2.5M, CCC
CAB-C15-BRZ	Power Cord, Brazil, C15-NBR14136, 10A/250V, 1.00mm2, 2.5M
CAB-C15-SWZ	Power Cord, Swiss, C15-SEV1011, 10A/250V, 1.00mm2, 2.5M
CAB-C15-ARG	Power Cord, Argentina, C15-IRAM2073, 10A/250V, 1.00mm2, 2.5M

Warranty

The Arista CCS-720 switches come with a one-year limited hardware warranty, which covers parts, repair, or replacement with a 10 business day turnaround after the unit is received.

Service and Support

Support services including next business day and 4-hour advance hardware replacement are available. For service depot locations, please see: <http://www.arista.com/en/service>

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