



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

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 86701

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0210

Vendor ID: 000000210570



SO Doc ID: ISC1500000015

Legal Name: ALPHA TECHNOLOGIES INC

Published Date: 6/12/15

Alias/DBA:

Close Date: 6/30/15

Total Bid: \$750,249.00

Close Time: 13:30

Response Date: 06/29/2015



Status: Closed

Response Time: 15:46

Solicitation Description: Addendum; Next Generation Firewall for WVOT

Total of Header Attachments: 0

Total of All Attachments: 0



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

State of West Virginia
Solicitation Response

Proc Folder : 86701

Solicitation Description : Addendum; Next Generation Firewall for WVOT

Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2015-06-30 13:30:00	SR 0210 ESR06291500000004538	1

VENDOR

000000210570

ALPHA TECHNOLOGIES INC

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet
(304) 558-2596
guy.l.nisbet@wv.gov

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	4.2.1 Next-Generation Firewall PA-5060 or Equal	4.00000	EA	\$73,225.00	\$292,900.00

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description : PAN-PA-5060-SSD2-D or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	4.2.2 Premium Support or Equal for each Next-Generation Fire	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : PAN-SVC-PREM-5060-1 YR or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	4.2.2.1 Renewal Option YR 2 - Premium Support or Equal	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-5060-R or Equal
Premium Support or Equal for each Next-Generation Firewall

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	4.2.2.1 Renewal Option YR 3 - Premium Support or Equal	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-5060-R or Equal
Premium Support or Equal for each Next-Generation Firewall

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	4.2.2.1 Renewal Option YR 4 - Premium Support or Equal	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-5060-R or Equal Premium Support or Equal for each Next-Generation Firewall

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	4.2.3 Panorama M-100 with 4TB storage or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description : PAN-M-100-4TB or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	4.2.4 Premium Support or Equal for each Panorama M-100	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : PAN-SVC-PREM-M-100-P or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	4.2.4.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-M-100-P-25-R or Equal Premium Support or Equal for each Panorama M-100

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	4.2.4.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-M-100-P-25-R or Equal
Premium Support or Equal for each Panorama M-100

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	4.2.4.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-M-100-P-25-R or Equal
Premium Support or Equal for each Panorama M-100

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	4.2.5 WildFire WF-500 or Equal	1.00000	EA	\$3,977.00	\$3,977.00

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description : PAN-WF-500 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	4.2.6 Premium Support for each WildFire or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : PAN-SVC-PREM-WF-500 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	4.2.6.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-WF-500 or Equal
Premium Support for each WildFire or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	4.2.6.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-WF-500 or Equal
Premium Support for each WildFire or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	4.2.6.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-WF-500 or Equal
Premium Support for each WildFire or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
16	4.3.1 URL Filtering subscription or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
17	4.3.1.1 RENEWAL OPTION YEAR 2 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
18	4.3.1.1 RENEWAL OPTION YEAR 3 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
19	4.3.1.1 RENEWAL OPTION YEAR 4 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
20	4.3.1.1 RENEWAL OPTION YEAR 5 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 5 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
21	4.3.2 Threat Prevention subscription or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
22	4.3.2.1 RENEWAL OPTION YEAR 2 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
23	4.3.2.1 RENEWAL OPTION YEAR 3 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
24	4.3.2.1 RENEWAL OPTION YEAR 4 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
25	4.3.2.1 RENEWAL OPTION YEAR 5 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 5 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
26	4.3.3 WildFire subscription or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
27	4.3.3.1 RENEWAL OPTION YEAR 2 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
28	4.3.3.1 RENEWAL OPTION YEAR 3 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
29	4.3.3.1 RENEWAL OPTION YEAR 4 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :	RENEWAL OPTION YEAR 4 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
30	4.3.3.1 RENEWAL OPTION YEAR 5 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :	RENEWAL OPTION YEAR 5 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
31	Installation, Migration and Training Services	1.00000	LS	\$6,240.00	\$6,240.00

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :	Installation, Migration and Training Services



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

State of West Virginia
Request for Quotation
21 — Info Technology

Proc Folder: 86701

Doc Description: Addendum; Next Generation Firewall for WVOT

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2015-06-12	2015-06-30 13:30:00	CRFQ 0210 ISC1500000015	3

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

Alpha Technologies
1003 Outlook Drive
Hurricane WV, 25526
304-721-8789

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet
(304) 558-2596
guy.l.nisbet@wv.gov

Signature X

FEIN #

55-0774279

DATE

6/26/2015

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

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	4.2.1 Next-Generation Firewall PA-5060 or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :
PAN-PA-5060-SSD2-D or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	4.2.2 Premium Support or Equal for each Next-Generation Fire	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :
PAN-SVC-PREM-5060-or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	4.2.2.1 Renewal Option YR 2 - Premium Support or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-5060-R or Equal
Premium Support or Equal for each Next-Generation Firewall

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	4.2.2.1 Renewal Option YR 3 - Premium Support or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-5060-R or Equal
Premium Support or Equal for each Next-Generation Firewall

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	4.2.2.1 Renewal Option YR 4 - Premium Support or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-5060-R or Equal
Premium Support or Equal for each Next-Generation Firewall

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	4.2.3 Panorama M-100 with 4TB storage or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :
PAN-M-100-4TB or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	4.2.4 Premium Support or Equal for each Panorama M-100	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :
PAN-SVC-PREM-M-100-P or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	4.2.4.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-M-100-P-25-R or Equal
Premium Support or Equal for each Panorama M-100

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV 25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	4.2.4.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-M-100-P-25-R or Equal
Premium Support or Equal for each Panorama M-100

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV 25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	4.2.4.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-M-100-P-25-R or Equal
Premium Support or Equal for each Panorama M-100

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	4.2.5 WildFire WF-500 or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :

PAN-WF-500 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	4.2.6 Premium Support for each WildFire or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

PAN-SVC-PREM-WF-500 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	4.2.6.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-WF-500 or Equal

Premium Support for each WildFire or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	4.2.6.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-WF-500 or Equal

Premium Support for each WildFire or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	4.2.6.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :

RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-WF-500 or Equal

Premium Support for each WildFire or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
16	4.3.1 URL Filtering subscription or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :
PAN-PA-5060-URL4-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
17	4.3.1.1 RENEWAL OPTION YEAR 2 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :
RENEWAL OPTION YEAR 2 - PAN-PA-5060-URL4-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
18	4.3.1.1 RENEWAL OPTION YEAR 3 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 3 - PAN-PA-5060-URL4-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
19	4.3.1.1 RENEWAL OPTION YEAR 4 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 4 - PAN-PA-5060-URL4-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
20	4.3.1.1 RENEWAL OPTION YEAR 5 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 5 - PAN-PA-5060-URL4-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
21	4.3.2 Threat Prevention subscription or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :
PAN-PA-5060-TP-HA2-R or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
22	4.3.2.1 RENEWAL OPTION YEAR 2 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :
RENEWAL OPTION YEAR 2 - PAN-PA-5060-TP-HA2-R or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
23	4.3.2.1 RENEWAL OPTION YEAR 3 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 3 - PAN-PA-5060-TP-HA2-R or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
24	4.3.2.1 RENEWAL OPTION YEAR 4 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 4 - PAN-PA-5060-TP-HA2-R or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
25	4.3.2.1 RENEWAL OPTION YEAR 5 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 5 - PAN-PA-5060-TP-HA2-R or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
26	4.3.3 WildFire subscription or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :
PAN-PA-5060-WF-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
27	4.3.3.1 RENEWAL OPTION YEAR 2 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :
RENEWAL OPTION YEAR 2 - PAN-PA-5060-WF-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
28	4.3.3.1 RENEWAL OPTION YEAR 3 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 3 - PAN-PA-5060-WF-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
29	4.3.3.1 RENEWAL OPTION YEAR 4 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 4 - PAN-PA-5060-WF-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
30	4.3.3.1 RENEWAL OPTION YEAR 5 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :

RENEWAL OPTION YEAR 5 - PAN-PA-5060-WF-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
31	Installation, Migration and Training Services	1.00000	LS		

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :

Installation, Migration and Training Services

ISC1500000015	Document Phase Draft	Document Description Addendum; Next Generation Firewall for WOT	Page 15 of
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ 0210 ISC1500000015

Addendum Number: No.02

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 issued to publish and distribute the following information to the Vendor community.

1. Publish Vendor submitted questions and Agency responses.
2. Re publish revised Specifications
3. Republish revised Exhibit "A" Pricing Page.
4. Notice of change in bid opening date as follows:

Bid Opening was: 06/16/2015 at 1:30 PM. EDT.
 Bid Opening now: 06/30/2015 at 1:30 PM. EDT

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

Q.1. During our conversations with members of the Networking and Security teams, the deployment of this solution was going to have a significant installation, migration & training component. Reviewing the CFRQ, I can find no mention of this but just the hardware, software, & support SKU's for the proposed solution.

Do you anticipate the install, migration, and training services to be part of a secondary RFQ?

A.1.

This Addendum clarifies WVOTs intent to include Installation, Migration and Training services with this solicitation, not a secondary RFQ. In addition, WVOT had added an 'Acceptance of System' requirement. These specifications have been added to the Mandatory Contract Item Requirements in Section 4 of the solicitation document and to the Exhibit A - Pricing Page.

Installation service is vendor service and support to fully install all hardware and software components, including testing to validate all device components are fully functional. Vendor will perform installation during normal business hours, under the supervision of WVOT staff. Vendor will remove hardware from package and physically install all equipment in designated racks, located in Charleston, WV and Morgantown, WV. Vendor will install and ensure all software included is properly installed.

Migration/Configuration service is vendor service and support to implement the device components' functionality to an operational level that includes (1) migration of current web filtering capabilities to the new device, (2) configuration of the device in an Active/Passive High Availability configuration in Virtual Wire Mode, (3) and verification that all paid subscription services are fully functional.

Training services includes vendor instructor led courses designed to teach the objectives of installation, maintenance, basic and advanced operations of all purchased components. Training must be provided on-site (Capitol Complex, Charleston, WV) for a minimum of forty (40) hours for up to 10 students covering the following objectives: all device capabilities (with emphasis on most utilized capabilities). In addition, training must be provided on-site (Capitol Complex, Charleston, WV) for a minimum of forty (40) hours for up to 5 students covering the following objectives: (1) advanced configuration and operation based on best practices and (2) advanced troubleshooting. All training provided must align with established vendor's courses, available at the time of award, that cover the above listed training objectives. Training must also be provided in both lecture and lab format, allowing for training to take place before equipment installation and operation. Finally, the vendor will provide (2) two certification exam vouchers, valid for a minimum of (2) two years, for the applicable vendor certification, if such certification exists at the time of the award.

Acceptance of system: Prior to an acceptance of the system the following criteria must be met: (1) successful testing of all components, validating full functionality, (2) completion of all training courses, and (3) thirty (30) days of live production with access to subject matter experts to complete initialization and tuning of subscription services.

Q.2. Where will these devices sit in your infrastructure?

A.2.

Between WVNET hardware and WVOT Cisco hardware.

Q.3. Who will be installing & tuning the Firewall Devices?

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A.3.

Vendor will provide services and support for installation and tuning. See also Answer 1.

Q.4. Who will be managing the Firewall Devices?

A.4.

System management of devices will be the responsibility of WVOT after the Acceptance of System, along with the support services procured with this solicitation.

Q.5. Are the current devices in place Palo Alto Devices? If so, what are the specs on those devices? If not what devices are in place today?

A.5.

The current devices are not Palo Alto devices; the WVOT utilizes firewalls and URL filtering is accomplished using NetSweeper.

Q.6 During our conversations with members of the Networking and Security teams at WV-OT, the deployment of this solution was going to have a significant installation, migration, & training component.

Under your section labeled 'General Term's and Conditions', Page # 22, Sec. # 5 there is mention made of 'Combined' Services and Goods.

However, reviewing the CFRQ, we can find no mention of this but just the hardware, software, & support SKU's for the proposed solution.

Do you anticipate the install, migration, and training services to be added to this RFQ as an addendum or part of a secondary RFQ?

A preliminary 'Statement of Work' prepared in January covering installation and migration services are attached for reference...

A.6

See Answer 1.

Q.7. Document named 'Final CRFQ 0210-ISC 1500000015', has some questions...

Line items #2, #7, #12, #16, #21, & #26 all reference PaloAlto Support or License SKU's that run for a 3-Year term.

This makes Line items # 3, #4, #5, #8, #9, #10, #13, #14, #15, #17, #18, #19, #20, #22, #23, #24, #25, #27, #28, #29, & #30 either redundant or unnecessary.

Can you clarify your preferred term for initial maintenance and 'guaranteed pricing' for what additional term?

A.7

The incorrect SKU numbers were listed, the numbers should represent 1-year service terms and have been corrected on the Pricing Pages.

- Similarly to the above, your documents 'Exhibit A Price Sheet...' & 'Pricing Pages...' The 'Column A' 'Item Numbers' 4.2.2//4.2.4//4.2.6//4.3.1//4.3.2//4.3.3 all refer to PaloAlto Support or License SKU's that run for a 3-Year term.
Can you clarify your preferred term for initial maintenance and 'guaranteed pricing' for what additional term?
This would impact 'Item Numbers' 4.2.2.1//4.2.4.1//4.2.6.1//4.3.1.1//4.3.2.1//4.3.3.1
- The State's document 'Specifications' Page 38, Sec. 5.1 regarding 'Contract Award' refers to *The Awarded Contract will be the Equipment and first year Licenses and Support Services*. Once again, there are 3-Year SKU's quoted, so a clarification is requested.

A.8

The incorrect SKU numbers were listed, the numbers should represent 1-year service terms and have been corrected on the Pricing Pages.

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Office of Technology to establish a contract for the "One-Time" purchase of networking hardware such as firewalls and logging appliances. The appliances will require the purchase of subscription services for URL filtering, threat prevention, security, hardware maintenance, support, and installation.

The devices and services listed will protect the State's data from external attacks and loss of information from internal networks with the ability to block suspect or malicious traffic. The purchase of these devices is a requirement by the Internal Revenue Service (IRS).

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 **"Appliance"** means a device or piece of equipment designed to perform a specific task.

2.2 **"Business Hours"** means Monday 7:00 AM to Friday 6:00 PM EST excluding weekends and Federal and State holidays. State Holidays are as follows:

- New Year's Day (January 1)
- Martin Luther King Day (Third Monday in January)
- President's Day (Third Monday in February)
- Memorial Day (Last Monday in May)
- West Virginia Day (June 20)
- Independence Day (July 4)
- Labor Day (First Monday in September)
- Columbus Day (Second Monday in October)
- Veterans Day (November 11)
- Thanksgiving (Fourth Thursday in November)
- Day After Thanksgiving (Fourth Friday in November)
- Christmas Day (December 25)

2.3 **"Contract Item"** means firewalls, logging appliances, filtering services, threat prevention services, hardware maintenance and support services has more fully described by these specifications.

2.4 **"Firewall"** means security system that controls the incoming and outgoing network traffic based on an applied rule set. A firewall establishes a barrier between a trusted,

secure internal network and another network (e.g., the Internet) that is assumed not to be secure and trusted.

2.5 “GB” means Gigabyte. A gigabyte is a measure of computer data storage capacity.

2.6 “GBps” means Gigabits per second or billions of bits per second. This a measure of bandwidth on digital data transmitted over the network.

2.7 “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.

2.8 “RAM” means Random Access Memory. This is where current data is kept and can be accessed quickly by an appliances processor.

2.9 “Severity Level 1” is the most critical which means the appliance is not functioning and there is no solution to fix the issue. Call response time for this severity level must be within one (1) hour of the initial support call. Support center must be available 24 hours a day, 7 days week for Severity Level 1 issues. Follow up communication will be every 4 hours until issue is resolved or a temporary solution is in place. This level may require 4 hour delivery of parts.

2.10 “Severity Level 2” is high which means the appliance is not fully functional and there is no solution to fix the issue. Call response time for this severity level must be within two (2) business hours of the initial support call. At this level follow up communication will be once a day until issue is resolved or a temporary solution is in place. This level may require next business day delivery of parts.

2.11 “Severity Level 3” is medium which means the appliance has failed but support center has resources to resolve the issues. Call response time for this severity level must be within four (4) business hours of the initial support call. Follow up communications will be every three (3) days until issue is resolved.

2.12 “Severity Level 4” is the lowest which means the appliance is working properly but needs to be updated. Call response time for this severity level must be within eight (8) business hours of the initial support call. Follow up will be conducted once a week until issue is resolved.

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

3. QUALIFICATIONS: Vendor shall have the following minimum qualifications:

3.1 Vendor's solution must be in the Gartner Magic Quadrant Leader based on Gartner's 2014 Magic Quadrant for Enterprise Network Firewall and have the Ability to be deployed in an Active/Passive HA configuration in Virtual Wire Mode.

3.1.1 Vendor should provide documentation of proof with their bid submission response. Vendor will be required to submit before Award of Purchase Order.

4. GENERAL REQUIREMENTS:

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

4.2 Firewalls and Appliances: Firewall and appliances must be new. Any firewall or appliances that have been refurbished, warranted-as-new, or like-new will not be permitted.

4.2.1 Palo Alto Networks PA-5060 Next-Generation Firewall "or Equal"
Required Quantity: 4

4.2.1.1 Firewall throughput must be a minimum of 20 GBps.

4.2.1.2 Threat prevention throughput must be a minimum of 10 GBps.

4.2.1.3 A minimum of 120,000 connections per second.

4.2.1.4 Customize blocking or alert actions and email notifications and reports.

4.2.1.5 The appliance must have minimum of 2 factor authentication.

4.2.2 Vendor must provide Premium Support "or Equal" for each PA-5060 Next Generation Firewall being purchased
Required Quantity: 4

4.2.2.1 Premium Support "or Equal" may include advanced replacement with Next Business Day shipping, or the optional 4 hour parts delivery. Optional 4 hour parts delivery will be based on severity

level 1. Call response times will also be based on severity levels. Severity levels range 1 through 4. Each level is defined in Section 2: Definitions.

4.2.2.2 Vendor must provide online resources such as technical documentation for common issues and step by step solutions, a method for support tickets or cases to be tracked, and product update, announcements, and release notes.

4.2.2.3 Vendor must include in their bid the cost of optional Annual renewals for years 2, 3, and 4. These optional sequential Annual renewals will be initiated by agency request agreed to by the vendor and processed as a Change Order authorized as issued by the West Virginia Purchasing Division.

4.2.3 Palo Alto Networks Panorama M-100 with 4TB of storage “or Equal”
Required Quantity: 2

4.2.4 Vendor must provide Premium Support for each Panorama M-100 “or Equal”
Required Quantity: 2

4.2.4.1 Premium Support “or Equal” may include advanced replacement with Next Business Day shipping, or the optional 4 hour parts delivery. Optional 4 hour parts delivery will be based on severity level 1. Call response times will also be based on severity levels. Severity levels range 1 through 4. Each level is defined in Section 2: Definitions.

4.2.4.2 Vendor must provide online resources such as technical documentation for common issues and step by step solutions, a method for support tickets or cases to be tracked, and product update, announcements, and release notes.

4.2.4.3 Vendor must include in their bid the cost of optional Annual renewals for years 2, 3, and 4. These optional sequential Annual renewals will be initiated by agency request agreed to by the

vendor and processed as a Change Order authorized as issued by
the West Virginia Purchasing Division.

4.2.5 Palo Alto Networks WildFire WF-500 “or Equal”

Required Quantity: 1

4.2.5.1 The appliance must have a Dual 6 Core Intel Processor
with Hyper Threading.

4.2.5.2 A minimum of 128 GB RAM

4.2.5.3 A minimum of 120 GB Solid State Drive

4.2.6 Vendor must provide Premium Support for each WildFire “or Equal”

Required Quantity: 1

4.2.6.1 Premium Support “or Equal” may include advanced replacement
with Next Business Day shipping, or the optional 4 hour parts
delivery. Optional 4 hour parts delivery will be based on severity
level 1. Call response times will also be based on severity levels.
Severity levels range 1 through 4. Each level is defined in Section
2: Definitions.

4.2.6.2 Vendor must provide online resources such as technical
documentation for common issues and step by step solutions, a
method for support tickets or cases to be tracked, and product
update, announcements, and release notes.

4.2.6.3 Vendor must include in their bid the cost of optional Annual
renewals for years 2, 3, and 4. These optional sequential Annual
renewals will be initiated by agency request agreed to by the
vendor and processed as a Change Order authorized as issued by
the West Virginia Purchasing Division.

4.3 Subscription and Services

4.3.1 Palo Alto Networks URL Filtering subscription “or Equal”

Required Quantity: 4

4.3.1.1 Vendor must provide a subscription service that will allow administrator’s access to URL filtering database. Access to the service will provide administrator’s control of applications and web activities.

4.3.1.2 Vendor must base subscription pricing on the quantity of the appliances in operation and not by users or the volume of data.

4.3.1.3 Vendor must include in their bid the cost of optional Annual renewals for years 2, 3, 4, and 5. These optional sequential Annual renewals will be initiated by agency request agreed to by the vendor and processed as a Change Order authorized as issued by the West Virginia Purchasing Division.

4.3.2 Palo Alto Networks Threat Prevention subscription “or Equal”

Required Quantity: 4

4.3.2.1 Vendor must provide a subscription service that offer threat prevention. This service must scan all internet traffic, applications, end-user activities, and content.

4.3.2.2 Vendor must base subscription pricing on the quantity of the appliances in operation not by users or the volume of data.

4.3.2.3 Vendor must include in their bid the cost of optional Annual renewals for years 2, 3, 4, and 5. These optional sequential Annual renewals will be initiated by agency request agreed to by the vendor and processed as a Change Order authorized as issued by the West Virginia Purchasing Division.

4.3.3 Palo Alto Networks Wildfire subscription “or Equal”

Required Quantity: 4

4.3.3.1 Vendor must provide a subscription service that detect, identify, respond, and prevent threats without an administrator being present.

- 4.3.3.2 Vendor must base subscription pricing on the quantity of the appliances in operation and not by users or the volume of data.
- 4.3.3.3 Vendor must include in their bid the cost of optional Annual renewals for years 2, 3, 4, and 5. These optional sequential Annual renewals will be initiated by agency request agreed to by the vendor and processed as a Change Order authorized as issued by the West Virginia Purchasing Division.

4.4 Installation, Migration and Training Services

- 4.4.1 Installation service is vendor service and support to fully install all hardware and software components, including testing to validate all device components are fully functional. Vendor will perform installation during normal business hours, under the supervision of WVOT staff. Vendor will remove hardware from package and physically install all equipment in designated racks, located in Charleston, WV and Morgantown, WV. Vendor will install and ensure all software included is properly installed.
- 4.4.2 Migration/Configuration service is vendor service and support to implement the device components' functionality to an operational level that includes (1) migration of current web filtering capabilities to the new device, (2) configuration of the device in an Active/Passive High Availability configuration in Virtual Wire Mode, (3) and verification that all paid subscription services are fully functional.
- 4.4.3 Training services includes vendor instructor led courses designed to teach the objectives of installation, maintenance, basic and advanced operations of all purchased components. Training must be provided on-site (Capitol Complex, Charleston, WV) for a minimum of forty (40) hours for up to 10 students covering the following objectives: all device capabilities (with emphasis on most utilized capabilities). In addition, training must be provided, on-site (Capitol Complex, Charleston, WV), for a minimum of forty (40) hours for up to 5 students covering the following objectives: (1) advanced configuration and operation based on best practices and (2) advanced troubleshooting. All training provided must align with established vendor's courses, available at the time of award, that cover the above listed training objectives. Training must also be provided in both lecture and lab format, allowing for training to take place before equipment installation and operation. Finally, the vendor will provide (2) two certification exam vouchers, valid for a minimum of (2) two years, for the applicable vendor certification, if such certification exists at the time of the award.

4.5 Acceptance of System

- 4.5.1** Prior to an acceptance of the system the following criteria must be met: (1) successful testing of all components, validating full functionality, (2) completion of all training courses, and (3) 30 days of live production with access to subject matter experts to complete initialization and tuning of subscription services.

Once acceptance of the system is agreed to by Agency and the Vendor, the Agency will issue a request for Change Order to the West Virginia Purchasing Division stating acceptance of the system thereby beginning the first (1) year warranty. Future requests for warranty and maintenance will be based on these dates.

5. CONTRACT AWARD:

- 5.1 Contract Award:** The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

Evaluation will be the Total Bid Cost for all items requested. The Awarded Contract will be for the Equipment, first year Licenses, Support Services and Installation/Migration/Training services.

Renewal options for years 2, 3, 4, and 5 will be initiated by the Agency, Agreed to by the Vendor and Processed by the West Virginia Purchasing Division as Change Orders for subsequent years.

- 5.2 Pricing Page:** Vendor should complete the Pricing Page and submit it as part of the bid response. 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.

- 5.2.1** If the Vendor is submitting an Equivalent Brand this information including Model Number must be submitted with their bid submission.

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

- 5.2.3** Vendor should include a copy of Maintenance Terms and Conditions or Licenses that the State of West Virginia or the Agency will be required to agree or accept as a part of this solicitation. **This information will be required before the Purchase Order is issued.**
- 5.2.4** Vendor will include the renewal cost should the agency opt to renew for years 2, 3, 4, and 5. Vendor should complete the Pricing Page in its' entirety as failure to do so may result in Vendor's bids being disqualified.
- 5.2.5** Vendor should electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document. In most cases, the Vendor can request an electronic copy of the Pricing Pages for bid purposes by sending an email request to the following address: Guy.L.Nisbet@wv.gov.

Vendor's who wish to respond to a Centralized Request for Quotation (CRFQ) online may submit information through the State's wvOASIS Vendor Self Service (VSS). Vendors should download the Exhibit "A": Pricing Page that is attached separately to the CRFQ and published to the VSS. Vendors must complete this form with their prices information and include it as an attachment to their online response

If unable to respond online Vendor must submit the Exhibit "A" Proposal Form/Pricing Pages with your bid prior to the scheduled bid opening date.

Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.

6. PAYMENT:

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

7. DELIVERY AND RETURN:

- 7.1 Shipment and Delivery:** Vendor shall ship the Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items within 30 calendar days after receiving a purchase order or notice to proceed. Contract Items must be delivered to Agency at:

West Virginia Office of Technology
Building 5, 10th Floor
1900 Kanawha Blvd., E
Charleston, WV 25305.

- 7.2 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.

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

- 7.4 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.

- 7.5 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 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.

8 VENDOR DEFAULT

8.1 The following shall be considered a vendor default under this Contract.

- 8.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.
- 8.1.2 Failure to comply with other specifications and requirements contained herein.
- 8.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
- 8.1.4 Failure to remedy deficient performance upon request.

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

- 8.2.1 Immediate cancellation of the Contract.
- 8.2.2 Immediate cancellation of one or more release orders issued under this Contract.
- 8.2.3 Any other remedies available in law or equity.

9. MISCELLANEOUS:

9.1. **Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: David Chambers

Telephone Number: 301-721-8789

Fax Number: 301-201-2610

Email Address: dchambers@Alpha-Tech.US

EXHIBIT A – Pricing Page (06-12-2015)

Item Number	Part Number	Description	Alternate Item	Alternate Part Number	Unit of Measure	Quantity	Unit Cost	Extended Cost
4.2.1	PAN-PA-5060-SSD2-D or Equal	Next-Generation Firewall PA-5060 or Equal			Each	4		
4.2.2	PAN-SVC-PREM-5060-1YR or Equal	Premium Support or Equal for each Next-Generation Firewall			Each	4		
4.2.2.1	RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-5060-R or Equal	RENEWAL OPTION YEAR 2 - Premium Support or Equal for each Next-Generation Firewall			Each	4		
4.2.2.1	RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-5060-R or Equal	RENEWAL OPTION YEAR 3 - Premium Support or Equal for each Next-Generation Firewall			Each	4		
4.2.2.1	RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-5060-R or Equal	RENEWAL OPTION YEAR 4 - Premium Support or Equal for each Next-Generation Firewall			Each	4		
4.2.3	PAN-M-100-4TB or Equal	Panorama M-100 with 4TB storage or Equal			Each	2		
4.2.4	PAN-SVC-PREM-M-100-P-100 or Equal	Premium Support or Equal for each Panorama M-100			Each	2		
4.2.4.1	RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-M-100-P-25-R or Equal	RENEWAL OPTION YEAR 2 - Premium Support or Equal for each Panorama M-100			Each	2		
4.2.4.1	RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-M-100-P-25-R or Equal	RENEWAL OPTION YEAR 3 - Premium Support or Equal for each Panorama M-100			Each	2		
4.2.4.1	RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-M-100-P-25-R or Equal	RENEWAL OPTION YEAR 4 - Premium Support or Equal for each Panorama M-100			Each	2		
4.2.5	PAN-WF-500 or Equal	WildFire WF-500 or Equal			Each	1		
4.2.6	PAN-SVC-PREM-WF-500 or Equal	Premium Support for each WildFire or Equal			Each	1		
4.2.6.1	RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-WF-500 or Equal	RENEWAL OPTION YEAR 2 - Premium Support for each WildFire or Equal			Each	1		
4.2.6.1	RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-WF-500 or Equal	RENEWAL OPTION YEAR 3 - Premium Support for each WildFire or Equal			Each	1		
4.2.6.1	RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-WF-500 or Equal	RENEWAL OPTION YEAR 4 - Premium Support for each WildFire or Equal			Each	1		
4.3.1	PAN-PA-5060-URL4-HA2 or Equal	URL Filtering subscription or Equal			Each	4		

EXHIBIT A -- Pricing Page (06-12-2015)

Item Number	Part Number	Description	Alternate Item	Alternate Part Number	Unit of Measure	Quantity	Unit Cost	Extended Cost
4.3.1.1	RENEWAL OPTION YEAR 2 - PAN-PA-5060-URL4-HA2 or Equal	RENEWAL OPTION YEAR 2 - URL Filtering subscription or Equal			Each	4		
4.3.1.1	RENEWAL OPTION YEAR 3 - PAN-PA-5060-URL4-HA2 or Equal	RENEWAL OPTION YEAR 3 - URL Filtering subscription or Equal			Each	4		
4.3.1.1	RENEWAL OPTION YEAR 4 - PAN-PA-5060-URL4-HA2 or Equal	RENEWAL OPTION YEAR 4 - URL Filtering subscription or Equal			Each	4		
4.3.1.1	RENEWAL OPTION YEAR 5 - PAN-PA-5060-URL4-HA2 or Equal	RENEWAL OPTION YEAR 5 - URL Filtering subscription or Equal			Each	4		
4.3.2	PAN-PA-5060-TP-HA2-R or Equal	Threat Prevention subscription or Equal			Each	4		
4.3.2.1	RENEWAL OPTION YEAR 2 - PAN-PA-5060-TP-HA2-R or Equal	RENEWAL OPTION YEAR 2 - Threat Prevention subscription or Equal			Each	4		
4.3.2.1	RENEWAL OPTION YEAR 3 - PAN-PA-5060-TP-HA2-R or Equal	RENEWAL OPTION YEAR 3 - Threat Prevention subscription or Equal			Each	4		
4.3.2.1	RENEWAL OPTION YEAR 4 - PAN-PA-5060-TP-HA2-R or Equal	RENEWAL OPTION YEAR 4 - Threat Prevention subscription or Equal			Each	4		
4.3.2.1	RENEWAL OPTION YEAR 5 - PAN-PA-5060-TP-HA2-R or Equal	RENEWAL OPTION YEAR 5 - Threat Prevention subscription or Equal			Each	4		
4.3.3	PAN-PA-5060-WF-HA2 or Equal	WildFire subscription or Equal			Each	4		
4.3.3.1	RENEWAL OPTION YEAR 2 - PAN-PA-5060-WF-HA2 or Equal	RENEWAL OPTION YEAR 2 - WildFire subscription or Equal			Each	4		
4.3.3.1	RENEWAL OPTION YEAR 3 - PAN-PA-5060-WF-HA2 or Equal	RENEWAL OPTION YEAR 3 - WildFire subscription or Equal			Each	4		
4.3.3.1	RENEWAL OPTION YEAR 4 - PAN-PA-5060-WF-HA2 or Equal	RENEWAL OPTION YEAR 4 - WildFire subscription or Equal			Each	4		
4.3.3.1	RENEWAL OPTION YEAR 5 - PAN-PA-5060-WF-HA2 or Equal	RENEWAL OPTION YEAR 5 - WildFire subscription or Equal			Each	4		
4.4	Installation, Migration and Training	Installation, Migration and Training			Total	1		
Total Cost							33	

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: _____

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.



 Company


 Authorized Signature


 Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
 Revised 6/8/2012

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
☐ Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
☐ Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
☐ Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% vendor preference for the reason checked:**
☐ Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% vendor preference for the reason checked:**
☐ Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. ☒ **Application is made for 5% vendor preference for the reason checked:**
☒ Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
☐ Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
☐ Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**
☐ Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Alpha Technologies

Signed: [Signature]

Date: 5/28/2015

Title: Sales Executive

RFQ No. IS 1500000015STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:Vendor's Name: Alpha TechnologiesAuthorized Signature: [Signature] Date: 5/28/2015State of West VirginiaCounty of Putnam, to-wit:Taken, subscribed, and sworn to before me this 28 day of May, 2015My Commission expires 7/25, 2015

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 07/01/2012)



We have prepared a quote for you

ISC1500000015

Quote #005745

Version 1

Main: 3042017485

Email: dchambers@alpha-tech.us

Web: www.alpha-tech.us

Prepared For:

WV Office of Technology
Andrew Lore
1900 Kanawha Blvd E Building 5 10th Floor
Charleston, WV 25305
andrew.c.lore@wv.gov

Prepared By

David Chambers
Phone: 3042017485
Email: dchambers@alpha-tech.us

Quote ID: 005745

Date: Friday, June 26, 2015

Expires: Saturday, July 04, 2015

Hardware

Description		Price	Qty	Ext. Price
FS-VMW-SW-K9	FIRESIGHT MNT CENTER VIRTUAL VMWARE	\$3,977.00	1	\$3,977.00
CON-SAU-VMW	SW APP SUP+UPG VIRTUAL FIRESIGHT S/W	\$1,231.00	1	\$1,231.00
ASA5585-S40F40-K9	ASA 5585-X SSP-40 FIRE PWR SSP-40 12GE	\$73,225.00	4	\$292,900.00
CON-SNT-A85S4F49	SMARTNET 8X5XNBD ASA 5585-X SSP-40 F	\$10,728.00	4	\$42,912.00
L-ASA5585-40TAMC1Y	ASA5585-40 FIREPOWER IPS AMP URL 1Y SUBS	\$16,910.00	4	\$67,640.00
Hardware Subtotal				\$408,660.00

Services

Description		Price	Qty	Ext. Price
Professional Services	Installation	\$130.00	4	\$520.00
Professional Services	Migration	\$130.00	40	\$5,200.00

Main: 3042017485

Email: dchambers@alpha-tech.us

Web: www.alpha-tech.us

Services

Description		Price	Qty	Ext. Price
Professional Services	Training Services	\$130.00	4	\$520.00
			Services Subtotal	\$6,240.00

Quote Summary

Description		Amount
	Hardware	\$408,660.00
	Services	\$6,240.00
Subtotal		\$414,900.00
Tax		\$0.00
Total		\$414,900.00

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Signature

Date

Cisco FireSIGHT Management Center

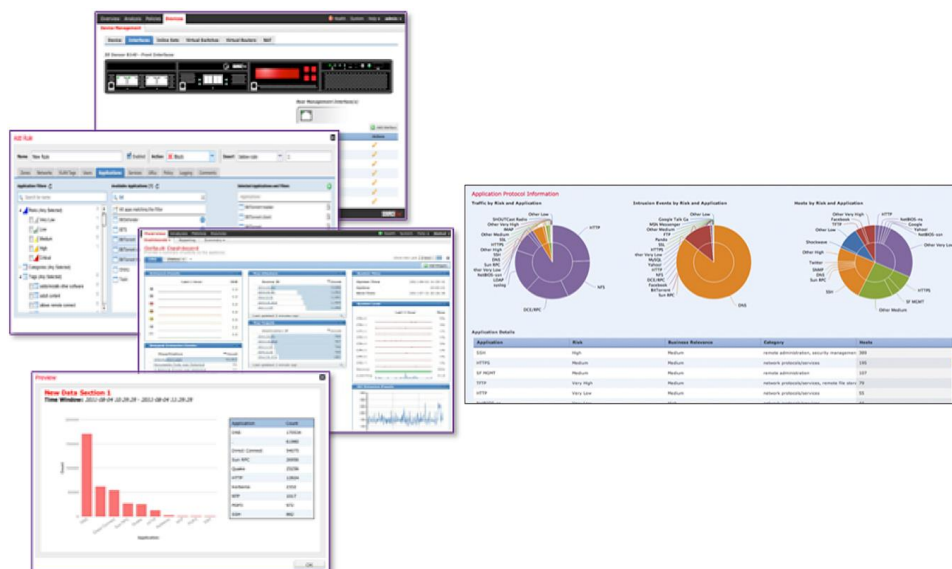
When it comes to effective threat prevention, a window into your network is invaluable. The Cisco FireSIGHT™ Management Center provides just that.

Product Overview

Gain total visibility into everything on your network, including physical and virtual hosts, operating systems, applications, services, protocols, users, geolocation information, content, network behavior, network attacks, and malware with the Cisco FireSIGHT Management Center. This security management console (Figure 1) is the centralized point of event and policy management for your intrusion prevention security operations. It allows you to automatically aggregate and correlate information generated by Cisco's next-generation firewall, Cisco® ASA with FirePOWER™ Services, and by Cisco's next-generation Intrusion Prevention System (NGIPS), Cisco FirePOWER NGIPS. The Cisco FireSIGHT Management Center centrally manages network security and operational functions, including event monitoring, analysis, incident prioritization, and reporting, so that you can better protect your business. It also reduces your costs by streamlining operations and automating many commonly recurring security analysis and management tasks.

Enterprise-Class Management

Figure 1. Cisco FireSIGHT Management Center: Centralized Policy, Event, and Device Management



Cisco FireSIGHT Management Center discovers real-time information about changing network resources and operations to provide you with a full contextual basis for making informed decisions (see Table 1). In addition to providing a wide breadth of intelligence, the Cisco FireSIGHT Management Center delivers a fine level of detail, including:

- **Trends and high-level statistics:** Helps managers and executives understand security posture at a moment in time as well as how it's changing, for better or worse.

- **Event detail, compliance, and forensics:** Provides an understanding of what happened during a security event to improve defenses, support breach containment efforts, and aid in legal enforcement actions.
- **Workflows:** Easily exports data to support responses to an event, improving response management.

Unparalleled Visibility and Insight

Table 1 illustrates the breadth of contextual awareness provided by Cisco FireSIGHT Management Center into threat vectors that more traditional security technologies do not detect.

Table 1. Cisco FireSIGHT Management Center: Full Stack Visibility

Category	FireSIGHT Management Center	Typical IPS	Typical Next-Generation Firewall
Threats	Yes	Yes	Yes
Users	Yes	Yes	Yes
Web applications	Yes	No	Yes
Application protocols	Yes	No	Yes
File transfers	Yes	No	Yes
Malware	Yes	No	No
Command-and-control servers	Yes	No	No
Client applications	Yes	No	No
Network servers	Yes	No	No
Operating systems	Yes	No	No
Routers and switches	Yes	No	No
Mobile devices	Yes	No	No
Printers	Yes	No	No
VoIP phones	Yes	No	No
Virtual machines	Yes	No	No

There are a number of Cisco FireSIGHT Management Center models. Choose the one that's right for your organization based on the number of sensor appliances to be monitored (both physical and virtual), the number of hosts in your environment, and the anticipated security events rate (see Table 2). All models provide the same management capabilities, including:

- Centralized device, license, event, and policy management
- Role-based management (segmented and isolated views and duties based on administrator role or group)
- Customizable dashboard with custom and template-based reports
- Comprehensive reporting and alerts for both general and focused information
- Event and contextual information displayed in hyperlinked tables, graphs, and charts
- Network behavior and performance monitoring
- Robust high-availability options to help ensure there's no single point of failure
- Correlation and remediation features for real-time threat response
- Open APIs for integration with third-party solutions and customer work streams, such as firewalls, network infrastructure, log management, security information and event management (SIEM), trouble ticketing, and patch management

Automate Security for Dynamic Defense

The Cisco FireSIGHT Management Center continually monitors how your network is changing over time. New threats are automatically correlated against the vulnerabilities that exist in your network to determine whether they can affect your business. This enables you to cut through all of the noise and focus your efforts on responding to the events that will have the most impact. Critical security activities such as policy tuning are also automated, saving time and effort, while adapting your network defenses to changing conditions. This results in optimized security policies that are specifically tailored to the network you have and the threats that you face.


Choice of Deployment Modes

Cisco FireSIGHT Management Center can be deployed as a physical or virtual appliance, allowing you to choose what options work best for your environment. Physical Cisco FireSIGHT Management Center appliances generally manage a higher number of sensors and provide greater event storage capabilities than their virtual counterparts. Virtual Cisco FireSIGHT Management Center appliances provide the convenience of being able to use your existing VM infrastructure. They can be easily deployed using VMware vSphere provisioning and can be used to protect assets in a physical network. Version 5.x virtual appliances can be hosted on VMware ESX and ESXi hypervisors and can manage up to 25 physical or virtual sensors.

Product Specifications

Table 2 compares the capacity and throughput for available Cisco FireSIGHT Management Center appliances, both physical and virtual.

Table 2. Cisco FireSIGHT Management Center Models



The image shows six physical Cisco FireSIGHT Management Center appliances of different sizes (FS750, FS1500, FS2000, FS3500, FS4000) and a virtual appliance icon (FS-VMW-SW).

Feature	FireSIGHT FS750	FireSIGHT FS1500	FireSIGHT FS2000	FireSIGHT FS3500	FireSIGHT FS4000	FireSIGHT FS-VMW-SW
Maximum number of sensors managed	10	35	70	150	300	25 10 2
Maximum number of IPS events	20 million	30 million	60 million	150 million	300 million	10 million
Event storage	100 GB	125 GB	1.8TB	400 GB	4.8 TB	250 GB
Maximum network map (hosts/users)	2,000/2,000	50,000/50,000	150,000/150,000	300,000/300,000	600,000/600,000	50,000/50,000
Maximum flow rate (flows per second)	2,000 fps	6,000 fps	12,000 fps	10,000 fps	20,000 fps	Varies [*]
Network Interfaces	2 x 1Gbps	2 x 1Gbps	2 x 1Gbps 2 x 10Gbps (Optional SFP's available via CCW)	2 x 1Gbps	2 x 1Gbps 2 x 10Gbps (Optional SFP's available via CCW)	1 x 1Gbps
High availability	Lights-out management (LOM)	RAID 1, LOM, high-availability pairing	RAID 5, LOM, high-availability pairing	RAID 5, LOM, high-availability pairing	RAID 5, LOM, high-availability pairing	No

Note: A Cisco FireSIGHT Management Center appliance must be present for a sensor to function. All sensor licensing and management is handled by the Management Center. Additionally, all Cisco FireSIGHT Management Centers manage only the FirePOWER portions of Cisco ASA with FirePOWER Services deployments.

* Virtual Cisco FireSIGHT Management Center performance is highly dependent on the virtual environment chosen: CPUs, memory, storage, etc.

Ordering Information

Table 3 provides ordering information for virtual and physical Cisco FireSIGHT Management Center appliances and additional spare hardware.

Table 3. Cisco FireSIGHT Management Center Ordering Information

Cisco FireSIGHT Management Center (Hardware) Appliances	
Part Number	Product Description
FS750-K9	Cisco FireSIGHT Management Center 750 Chassis, 1RU
FS1500-K9	Cisco FireSIGHT Management Center 1500 Chassis, 1RU
FS2000-K9	Cisco FireSIGHT Management Center 2000 Chassis, 1RU
FS3500-K9	Cisco FireSIGHT Management Center 3500 Chassis, 1RU
FS4000-K9	Cisco FireSIGHT Management Center 4000 Chassis, 1RU
Cisco FireSIGHT Management Center (Hardware) Spare	
FS-PWR-AC-650W=	Cisco FireSIGHT 650W AC Power Supply
Cisco FireSIGHT Management Center (Software) Virtual Appliance	
FS-VMW-SW-K9	Cisco FireSIGHT Management Center, Virtual (VMware) FireSIGHT License
FS-VMW-10-SW-K9	Cisco FireSIGHT Management Center, Virtual (VMware) FireSIGHT License, for 10 devices
FS-VMW-2-SW-K9	Cisco FireSIGHT Management Center, Virtual (VMware) FireSIGHT License, for 2 devices

To place an order, visit the [Cisco Ordering Homepage](#).

For More Information

For more information, please visit the following links:

- [Cisco ASA with FirePOWER Services](#)
- [Cisco FirePOWER Appliances](#)
- [Cisco FireSIGHT Management Center](#)
- [Cisco Security Services](#)



Americas Headquarters
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San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

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Cisco ASA with FirePOWER Services

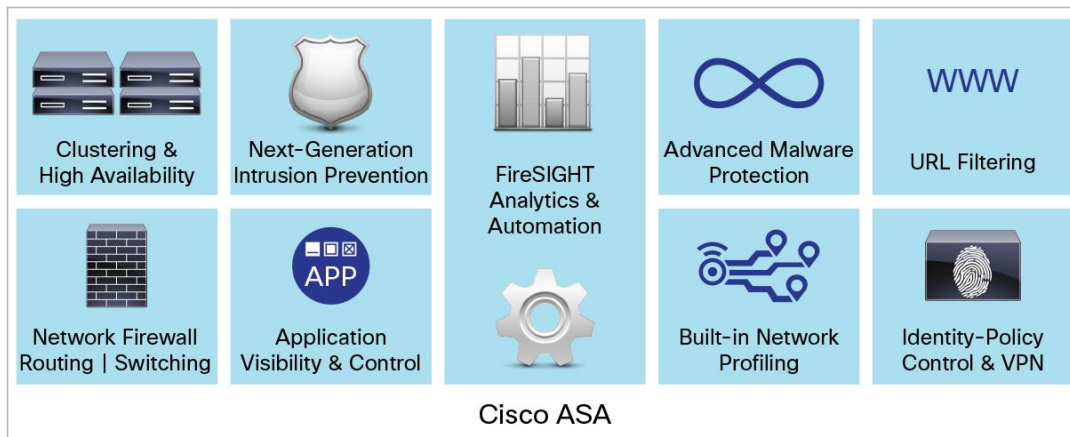
Meet the industry's first adaptive, threat-focused next-generation firewall (NGFW) designed for a new era of threat and advanced malware protection. Cisco® ASA with FirePOWER Services delivers integrated threat defense for the entire attack continuum - before, during, and after an attack. How? By combining the proven security capabilities of the Cisco ASA firewall with the industry-leading Sourcefire® threat and Advanced Malware Protection (AMP) features together in a single device. The solution uniquely extends the capabilities of the Cisco ASA 5500-X Series Next-Generation Firewalls beyond what today's NGFW solutions are capable of. Whether you need protection for a small or midsize business, a distributed enterprise, or a single data center, Cisco® ASA with FirePOWER Services provides the needed scale and context in a NGFW solution.

Superior Multilayered Protection

Cisco ASA with FirePOWER Services brings distinctive threat-focused next-generation security services to the Cisco ASA 5500-X Series Next-Generation Firewalls and Cisco ASA 5585-X Adaptive Security Appliance firewall products. It provides comprehensive protection from known and advanced threats, including protection against targeted and persistent malware attacks (Figure 1). Cisco ASA is the world's most widely deployed, enterprise-class stateful firewall. Cisco ASA with FirePOWER Services features these comprehensive capabilities:

- Site-to-site and remote access VPN and advanced clustering provide highly secure, high-performance access and high availability to help ensure business continuity.
- Granular Application Visibility and Control (AVC) supports more than 3,000 application-layer and risk-based controls that can launch tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.
- The industry-leading Cisco ASA with FirePOWER next-generation IPS (NGIPS) provides highly effective threat prevention and full contextual awareness of users, infrastructure, applications, and content to detect multivector threats and automate defense response.
- Reputation- and category-based URL filtering offer comprehensive alerting and control over suspicious web traffic and enforce policies on hundreds of millions of URLs in more than 80 categories.
- AMP provides industry-leading breach detection effectiveness, a low total cost of ownership, and superior protection value that helps you discover, understand, and stop malware and emerging threats missed by other security layers.

Figure 1. Cisco ASA with FirePOWER Services: Key Security Features



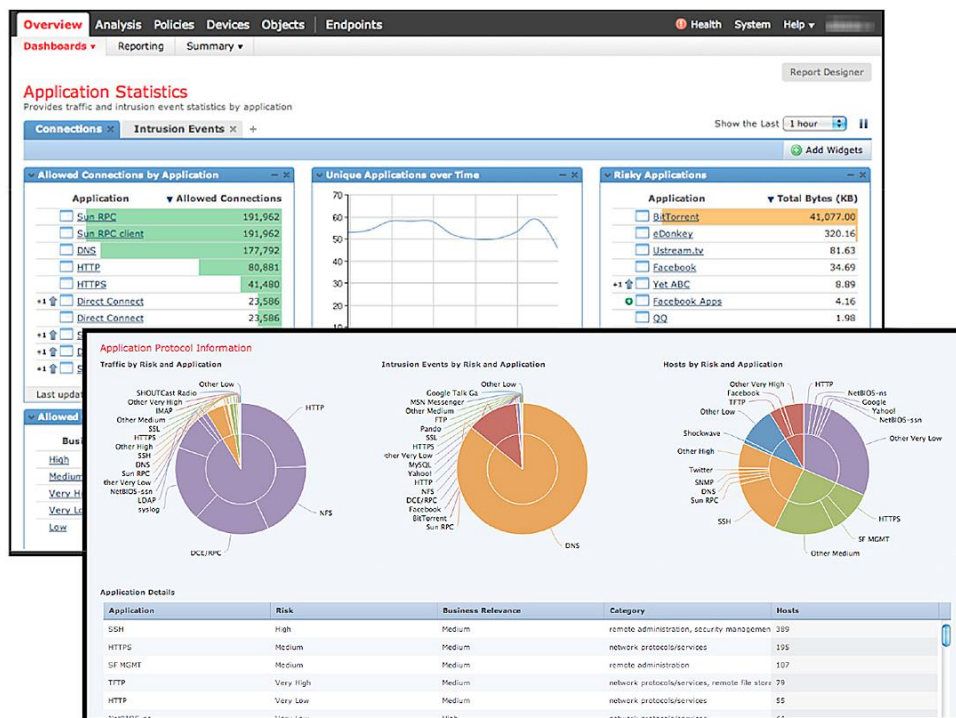
Unprecedented Network Visibility

Cisco ASA with FirePOWER Services is centrally managed by the Cisco FireSIGHT Management Center, which provides security teams with comprehensive visibility into and control over activity within the network. Such visibility includes users, devices, communication between virtual machines, vulnerabilities, threats, client-side applications, files, and web sites. Holistic, actionable indications of compromise (IoCs) correlate detailed network and endpoint event information and provide further visibility into malware infections. Cisco's enterprise-class management tools help administrators reduce complexity with unmatched visibility and control across NGFW deployments. Cisco FireSIGHT Management Center also provides content awareness with malware file trajectory that aids infection scoping and root cause determination to speed time to remediation.

Cisco Security Manager provides scalable and centralized network operations workflow management. It integrates a powerful suite of capabilities; including policy and object management, event management, reporting, and troubleshooting for Cisco ASA firewall functions when utilizing Cisco FireSIGHT Management Center.

For local, on-device management including deployments for small and midsize businesses, Cisco Adaptive Security Device Manager (ASDM) 7.3.x provides, access control and advanced threat defense management. ASDM V 7.3.x provides an enhanced user interface that provides quick views on trends and the ability to drill down for further analysis.

Figure 2. Cisco FireSIGHT Management Center: Intuitive High-Level and Detailed Drill-Down Dashboards



Reduced Costs and Complexity

Cisco ASA with FirePOWER Services incorporates an integrated approach to threat defense, reducing capital and operating costs and administrative complexity. It smoothly integrates with the existing IT environment, work stream, and network fabric. The appliance family is highly scalable, performs at up to multigigabit speeds, and provides consistent and robust security across branch, Internet edge, and data centers in both physical and virtual environments.

With Cisco FireSIGHT Management Center, administrators can streamline operations to correlate threats, assess their impact, automatically tune security policy, and easily attribute user identities to security events. Cisco FireSIGHT Management Center continually monitors how the network is changing over time. New threats are automatically assessed to determine which ones can affect your business. Responses are then focused on remediation and network defenses are adapted to changing threat conditions. Critical security activities such as policy tuning are automated, saving time and effort, while protections and countermeasures are maintained in an optimal state.

Cisco FireSIGHT Management Center integrates easily with third-party security solutions through the eStreamer API to streamline operation workflows and fit existing network fabrics.

Table 1 highlights the best-in-class features and benefits of Cisco ASA with FirePOWER Services.

Table 1. Features and Benefits of Cisco ASA with FirePOWER Services

Feature	Benefits
Next-generation firewall	Industry's first threat-focused NGFW; provides ASA firewall functionality, advanced threat protection, and advanced breach detection and remediation combined in a single device
Proven ASA firewall	Rich routing, stateful firewall, Network Address Translation, and dynamic clustering for high-performance, highly secure, and reliable access with Cisco AnyConnect® VPN
Market-leading NGIPS	Superior threat prevention and mitigation for both known and unknown threats
Advanced malware protection	Detection, blocking, tracking, analysis, and remediation to protect the enterprise against targeted and persistent malware attacks
Full contextual awareness	Policy enforcement based on complete visibility of users, mobile devices, client-side applications, communication between virtual machines, vulnerabilities, threats, and URLs
Application control and URL filtering	Application-layer control (over applications, geolocations, users, websites) and ability to enforce usage and tailor detection policies based on custom applications and URLs
Enterprise-class management	Dashboards and drill-down reports of discovered hosts, applications, threats, and indications of compromise for comprehensive visibility
Streamlined operations automation	Lower operating cost and administrative complexity with threat correlation, impact assessment, automated security policy tuning, and user identification
Purpose-built, scalable	Highly scalable security appliance architecture that performs at up to multigigabit speeds; consistent and robust security across small office, branch offices, Internet edge, and data centers in either physical and virtual environments
On-device management	Simplifies advanced threat defense management for small and medium sized business with small scale deployments
Remote Access VPN	Extends secure corporate network access beyond corporate laptops to personal mobile devices, regardless of physical location; support for Cisco AnyConnect Secure Mobility Solution, with granular, application-level VPN capability, as well as native Apple iOS and Android VPN clients
Site-to-site VPN	Protect traffic, including VoIP and client-server application data, across the distributed enterprise and branch offices
Integrated wireless access	Integrated Wi-Fi is available in the desktop form factor (ASA 5506W-X) for compact and simplified small office deployments
Ruggedized form factor	A ruggedized model (ASA 5506H-X), designed specifically for extreme environmental conditions, is available for critical infrastructure and control network applications
Third-party technology ecosystem	Open API that enables the third-party technology ecosystem to integrate with existing customer work streams
Integration with Snort and OpenAppID	Open source security integration with Snort and OpenAppID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly
Collective Security Intelligence (CSI)	Unmatched security and web reputation intelligence provides real-time threat intelligence and security protection

Product Performance and Specifications

Table 2 details the NGFW capabilities and capacities of the Cisco ASA with FirePOWER Services for Cisco ASA 5500-X Series.

Table 2. Cisco ASA 5500-X with FirePOWER Services Capabilities and Capacities

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Maximum application control (AVC) throughput	250 Mbps	250 Mbps	250 Mbps	450 Mbps	850 Mbps	300 Mbps	500 Mbps	1,100 Mbps	1,500 Mbps	1,750 Mbps
Maximum application control (AVC) and NGIPS throughput	125 Mbps	125 Mbps	125 Mbps	250 Mbps	450 Mbps	150 Mbps	250 Mbps	650 Mbps	1,000 Mbps	1,250 Mbps
Maximum concurrent sessions	20,000; 50000 ¹	20,000; 50000 ¹	50000	100,000	250,000	100,000	250,000	500,000	750,000	1,000,000
Maximum New Connections per second	5,000	5,000	5,000	10,000	20,000	10,000	15,000	20,000	30,000	50,000
Application control (AVC) or IPS sizing throughput [440 byte HTTP] ²	90 Mbps	90 Mbps	90 Mbps	180 Mbps	300 Mbps	100 Mbps	150 Mbps	375 Mbps	575 Mbps	725 Mbps
Supported applications	More than 3,000									
URL categories	80+									
Number of URLs categorized	More than 280 million									
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager (CSM) and Cisco FireSIGHT Management Center									
On-Device Management	ASDM 7.3.x					ASDM				

¹ Higher specifications are associated with the Security Plus license.

² Activating more features will change performance

Table 3 compares the features and capacities of the different ASA 5500-X Series Next-Generation Firewalls for small offices, branch locations, and Internet edge deployments.

Table 3. Cisco ASA 5500-X Series Next-Generation Firewalls

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Stateful inspection throughput (maximum ¹)	750 Mbps	750 Mbps	750 Mbps	1 Gbps	1.8 Gbps	1 Gbps	1.2 Gbps	2 Gbps	3 Gbps	4 Gbps

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Stateful inspection throughput (multiprotocol²)	300 Mbps	300 Mbps	300 Mbps	500 Mbps	900 Mbps	500 Mbps	600 Mbps	1 Gbps	1.5 Gbps	2 Gbps
Triple Data Encryption Standard/ Advanced Encryption Standard (3DES/AES) VPN throughput³	100 Mbps	100 Mbps	100 Mbps	175 Mbps	250 Mbps	200 Mbps	250 Mbps	300 Mbps	400 Mbps	700 Mbps
Users/nodes	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
IPsec site-to-site VPN peers	10; 50 ⁴	10; 50 ⁴	50	100	300	250	250	750	2500	5000
Cisco Cloud Web Security users	275	275	275	565	2000	2000	3000	4000	5000	6000
Cisco AnyConnect Plus/Apex VPN maximum simultaneous connections⁴	50 ⁴	50 ⁴	50 ⁴	100 ⁴	300 ⁴	250 ⁴	250 ⁴	750 ⁴	2500 ⁴	5000 ⁴
Virtual interfaces (VLANs)	5; 30 ⁴	5; 30 ⁴	30	50	100	50; 100	100	200	300	500
Security contexts⁵ (included; maximum)	N/A	N/A	N/A	2; 5	2; 5	0,0; 2,5	2;5	2; 20	2; 50	2; 100
High availability⁴	Requires Security Plus License; Active/ Standby	Requires Security Plus License; Active/ Standby	Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Requires Security Plus License; Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby
Integrated Wireless Access Point (See Cisco AP 702 datasheet for WiFi technical details)	N/A	Wireless Bands a/b/g/n; Max n wifi throughput 54 Mbps; internal antenna only; local management or centralized via Cisco WLC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Expansion slot	N/A	N/A	N/A	N/A	N/A	1 interface card	1 interface card	1 interface card	1 interface card	1 interface card
User-accessible Flash slot	No	No	No	No	No	No	No	0	-	0

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
USB 2.0 ports	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	2	2	2	2	2
Integrated I/O	8 x 1 Gigabit Ethernet (GE)	8 x 1GE	4 x 1GE	8 x 1GE	8 x 1GE	6 GE copper	6 GE copper	8 GE copper	8 GE copper	8 GE copper
Expansion I/O	N/A	N/A	N/A	N/A	N/A	6 GE copper or	6 GE copper or	6 GE copper or	6 GE copper or	6 GE copper or
						6 GE Small Form-Factor Pluggable (SFP)	6 GE SFP	6 GE SFP	6 GE SFP	6 GE SFP
Dedicated management port	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000 Base-T, 100Base-FX, 1000Base-X	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)
Serial ports	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console
Solid-state drive	50 GB mSata ⁶	50 GB mSata ⁶	50 GB mSata tested for heat	80 GB mSata ⁶	100 GB mSata ⁶	1 slot, 120 GB multiline configurator or self-encrypting drive (MLC SED)	1 slot, 120 GB MLC SED	1 slot,	2 slots, RAID 1	2 slots, RAID 1
								120 GB MLC SED	120 GB MLC SED	120 GB MLC SED
Memory	4 GB	4 GB	4 GB	8 GB	8 GB	4 GB	8 GB	8 GB	12 GB	16 GB
Minimum system flash	8 GB	8 GB	8 GB	8GB	8GB	4 GB	8 GB	8 GB	8 GB	8 GB
System bus	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
Operating Parameters										
Temperature	32 to 104°F (0 to 40 °C)	32 to 104°F (0 to 40 °C)	-4 to 140°F (-20 to 60 °C)	32 to 104°F (0 to 40 °C)	32 to 104°F (0 to 40 °C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)
Relative humidity	90 percent noncondensing	90 percent noncondensing	95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	90 percent	90 percent	90 percent
Altitude	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3050 m)

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Acoustic noise	Fanless 0 dBA	Fanless 0 dBA	Fanless 0 dBA	41.6 A-weighted decibels (dBA) type	41.6 dBA type	64.2 dBA max	64.2 dBA max	64.2 dBA max	67.9 dBA max	67.9 dBA max
				67.2 dBA max	67.2 dBA max					
Non-operating Parameters										
Temperature ⁷	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-40 to 185°F (-40 to 85°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)
Relative humidity	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent	10 to 90 percent	10 to 90 percent
Altitude	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4570 m)	Designed and tested for 0 to 15,000 ft (4570 m)	Designed and tested for 0 to 15,000 ft (457 2m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)
Power Input (per power supply)										
AC range line voltage	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
AC normal line voltage	90 to 240 VAC	90 to 240 VAC	90 to 240 VAC	91 to 240 VAC	92 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
AC current	N/A	N/A	N/A	0.25AC amps	0.25AC amps	4.85A	4.85A	4.85A	5A, 100 to 120V 2.5A, 200 to 240V	5A, 100 to 120V 2.5A, 200 to 240V
AC frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Dual-power supplies	None	None	None	None	None	None	None	None	Yes	Yes
DC domestic line voltage	N/A	N/A	N/A	N/A	N/A	-40.5 to 56 volts direct current (VDC) (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC	-40.5 to 56 VDC
									(-48 VDC nominal)	(-48 VDC nominal)
DC international line voltage	N/A	N/A	N/A	N/A	N/A	-55 to -72 VDC	-55 to -72 VDC	-55 to -72 VDC	-55 to -72 VDC	-55 to -72 VDC
						(-60 VDC nominal)	(-60 VDC nominal)	(-60 VDC nominal)	(-60 VDC nominal)	(-60 VDC nominal)
DC current	N/A	N/A	N/A	N/A	N/A	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)
Output										
Steady state	12V @2.5A	12V @2.5A	5V @3.6A	12V @ 3.0A	12V @ 3.0A	51W	65W	75W	86W	90W
Maximum peak	12V @ 5A	12V @ 5A	5V @4.4A	12V @ 5.0A	12V @ 5.0A	56W	70W	108W	125W	134W

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Maximum heat dissipation	103 British thermal units (Btu)/hr	103 Btu/hr	103 Btu/hr	123 Btu/hr	123 Btu/hr	192 Btu/hr	239 Btu/hr	369 Btu/hr	427 Btu/hr	458 Btu/hr
Form factor	Desktop	Desktop	Desktop, rack mountable, wall mountable, DIN-Rail	1 rack unit (RU), 19-in. rack-mountable	1 rack unit (RU), 19-in. rack-mountable	1 rack unit (RU), 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable
Dimensions	7.871 x 9.23 x 1.72 in.	7.871 x 9.23 x 1.72 in.	9.05 x 9.05 x 2.72 in.	17.2 x 11.288 x 1.72 in.	17.2 x 11.288 x 1.72 in.	1.67 x 16.7 x 15.6 in.	1.67 x 16.7 x 15.6 in.	1.75 x 17.5 x 14.25 in.	1.67 x 16.7 x 19.1 in.	1.67 x 16.7 x 19.1 in.
(H x W x D)	(19.992 x 23.444 x 4.369 cm)	(19.992 x 23.444 x 4.369 cm)	(23.0 x 23.0 x 6.9 cm)	(43.688 x 28.672 x 4.369 cm)	(43.688 x 28.672 x 4.369 cm)	(4.24 x 42.9 x 39.5 cm)	(4.24 x 42.9 x 39.5 cm)	(4.45 x 20.04 x 36.20 cm)	(4.24 x 42.9 x 48.4 cm)	(4.24 x 42.9 x 48.4 cm)
Weight (with AC power supply)	4 lb (1.82 kg)	4 lb (1.82 kg)	7 lb (3.18 kg)	8 lb (3 kg)	8 lb (3 kg)	13.39 lb (6.07 kg)	13.39 lb (6.07 kg)	22.0 lb (10 kg)	16.82 lb (7.63 kg) with single power supply	16.82 lb (7.63 kg) with single power supply
									18.86 lb (8.61 kg) with dual power supply	18.86 lb (8.61 kg) with dual power supply
Safety	UL 60950	UL 60951	UL 60950	UL 60952	UL 60953	IEC 60950-1: 2005, 2 nd Edition;	IEC 60950-1: 2005, 2 nd Edition	IEC 60950-1: 2005, 2 nd Edition	IEC 60950-1: 2005, 2 nd Edition	IEC 60950-1: 2005, 2 nd Edition
	CAN/CSA-C22.2 No. 60950	CAN/CSA-C22.2 No. 60951	CAN/CSA-C22.2 No. 60950	CAN/CSA-C22.2 No. 60952	CAN/CSA-C22.2 No. 60953	EN 60950-1: 2006+A11: 2009;	EN 60950-1: 2006+A11: 2009	EN 60950-1: 2006+A11: 2009	EN 60950-1: 2006+A11: 2009	EN 60950-1: 2006+A11: 2009
	EN 60950	EN 60951	EN 60950	EN 60952	EN 60953	UL 60950-1: 2007, 2 nd Edition	UL 60950-1: 2007, 2 nd Edition	UL 60950-1: 2007, 2 nd Edition;	UL 60950-1: 2007, 2 nd Edition;	UL 60950-1: 2007, 2 nd Edition;
	IEC 60950	IEC 60951	IEC 60950	IEC 60952	IEC 60953	CSA C22.2 No. 60950-1-07, 2 nd Edition	CSA C22.2 No. 60950-1-07, 2 nd Edition	CSA C22.2 No. 60950-1-07, 2 nd Edition	CSA C22.2 No. 60950-1-07, 2 nd Edition	CSA C22.2 No. 60950-1-07, 2 nd Edition
	AS/NZS 60950	AS/NZS 60951	AS/NZS 60950	AS/NZS 60952	AS/NZS 60953					
Electromagnetic compatibility (EMC)	47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3 ICES-003	47 CFR Part 15 CISPR22: Edition 6.0 CNS13438 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 ICES-003 Issue 5 QCVN 54:	IP40 per IEC 60529 47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3	47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3	47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3 ICES-003	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
	Issue 5 QCVN 54: BT TTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BT TTT TCVN 7317	BT TTT TCVN VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BT TTT TCVN 7317	EN6100-3-11 EN6100-3-12 ICES-003 Issue 5 QCVN 54: BT TTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BT TTT TCVN 7317 KN22 IEC61850-3 IEC61000-6-5 IEC61000-5 IEC61100 0-4-18 IEEE1613.1 IEEC62.412 IEC1613, IEC61850-3, IEC60068-2	ICES-003 Issue 5 QCVN 54: BT TTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BT TTT TCVN 7317	Issue 5 QCVN 54: BT TTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BT TTT TCVN 7317	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009 ICES-003 issue 4 February 2004 VCCI: V-3/2011.04 C-TICK: AS/NZS CISPR 22,2009 KC: KN22 & KN24	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009 ICES-003 issue 4 February 2004 VCCI: V-3/2011.04 C-TICK: AS/NZS CISPR 22,2009 KC: KN22 & KN24	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009 ICES-003 issue 4 February 2004 VCCI: V-3/2011.04 C-TICK: AS/NZS CISPR 22,2009 KC: KN22 & KN24	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009 ICES-003 issue 4 February 2004 VCCI: V-3/2011.04 C-TICK: AS/NZS CISPR 22,2009 KC: KN22 & KN24	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009 ICES-003 issue 4 February 2004 VCCI: V-3/2011.04 C-TICK: AS/NZS CISPR 22,2009 KC: KN22 & KN24
Industry certifications	In process	In process	In process	In process	In process	In process	In process	In process	In process	In process

¹ Maximum throughput measured with UDP traffic under ideal conditions.

² Multiprotocol = Traffic profile consisting primarily of TCP-based protocols/applications like HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.

³ VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken into consideration as part of your capacity planning.

⁴ Separately licensed feature. For AnyConnect, licenses are purchased based on feature tier (Plus/Apex), term and authorized user license. See ordering guide below for detailed ordering instructions.

⁵ Higher specifications are associated with the Security Plus license.

⁶ Usable space dependent upon system software.

⁷ Derate the maximum operating temperature 1.5°C per 1000 ft above sea level.

Hardware Product Performance and Specifications

Table 4 provides a comparison of the Cisco ASA with Cisco FirePOWER Security Services Processor (SSP) 10, 20, 40, and 60 hardware blades.

Table 4. Cisco ASA 5585-X with FirePOWER Services Hardware Blade Capabilities and Capacities

Feature	Cisco ASA 5585-X SSP-10 w/ FirePOWER Services	Cisco ASA 5585-X SSP-20 w/ FirePOWER Services	Cisco ASA 5585-X SSP-40 w/ FirePOWER Services	Cisco ASA 5585-X SSP-60 w/ FirePOWER Services
Maximum application control (AVC) throughput	4.5 Gbps	7 Gbps	10 Gbps	15 Gbps
Maximum application control (AVC) and NGIPS throughput	2 Gbps	3.5 Gbps	6 Gbps	10 Gbps
Maximum concurrent sessions	500,000	1,000,000	1,800,000	4,000,000
Maximum New Connections per second	40,000	75,000	120,000	160,000
Application control (AVC) or IPS sizing throughput [440 byte HTTP]	1.2 Gbps	2 Gbps	3.5 Gbps	6 Gbps
Supported applications	More than 3,000			
URL categories	80+			
Number of URLs categorized	More than 280 million			
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager and Cisco FireSIGHT Management Center			

Product Model	Cisco ASA 5585-X SSP-10 w/ FirePOWER Services	Cisco ASA 5585-X SSP-20 w/ FirePOWER Services	Cisco ASA 5585-X SSP-40 w/ FirePOWER Services	Cisco ASA 5585-X SSP-60 w/ FirePOWER Services
Technical Specifications				
Memory	12 GB	24 GB	24 GB	48 GB
Minimum flash	8 GB			
Management and monitoring interface	2 Ethernet 10/100/1000 ports			

ASA 5585-X with FirePOWER Services - Extended Performance (EP) Models

The Extended Performance (EP) models address the need to run multiple services without sacrificing performance. As services are activated on the EP models, the performance levels remain predictable and consistent.

Table 5. Cisco ASA 5585-X with FirePOWER Services - Extended Performance (EP) Hardware Blade Capabilities and Capacities

Feature	Cisco ASA 5585-X SSP EP 10/40 w/ FirePOWER Services	Cisco ASA 5585-X SSP EP 20/60 w/ FirePOWER Services
Maximum Throughput: Application Control (AVC)	4.5 Gbps	7 Gbps
Maximum Throughput: Application Control (AVC) and IPS	4.5 Gbps	7 Gbps
Maximum concurrent sessions	500,000	1,000,000
Maximum New Connections per second	40,000	75,000
Sizing Throughput [440 byte HTTP]: Application Control (AVC) or IPS	1.2 Gbps	2 Gbps
Sizing Throughput [440 byte HTTP]: Multiple Services Profile	1.2 Gbps	2 Gbps
Supported applications	More than 3,000	
URL categories	80+	

Feature	Cisco ASA 5585-X SSP EP 10/40 w/ FirePOWER Services	Cisco ASA 5585-X SSP EP 20/60 w/ FirePOWER Services
Number of URLs categorized	More than 280 million	
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager and Cisco FireSIGHT Management Center	
Technical Specifications		
Memory	24 GB	48 GB
Minimum flash	8 GB	
Management and monitoring interface	2 Ethernet 10/100/1000 ports	

Platform Support/Compatibility

Cisco ASA with FirePOWER Services include Cisco ASA firewalling, AVC, URL filtering, NGIPS, and AMP. This unique set of capabilities is available on the Cisco ASA 5500-X Series NGFW platforms: Cisco ASA 5506-X, 5506W-X, 5506H-X, 5508-X, 5516-X, 5512-X, 5515-X, 5525-X, 5545-X, 5555-X, and 5585-X with Security Services Processor SSP-10, SSP-20, SSP-40, and SSP-60.

The Cisco ASA 5585-X FirePOWER Services SSP-10, SSP-20, SSP-40, and SSP-60 hardware blades are supported on the Cisco ASA 5585-X platform. Cisco ASA 5585-X SSP-10, SSP-20, SSP-40, and SSP-60 firewalls require Cisco ASA Software Release 9.2.2 and later. Cisco ASA with FirePOWER Services software is supported on the Cisco ASA 5500-X Series of next-generation midrange security appliances running Cisco ASA Software Release 9.2.2 and later. Cisco FireSIGHT Management Center and [Cisco Security Manager](#) are required to manage Cisco ASA with FirePOWER Services ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X, and 5585-X with Security Services Processor SSP-10, SSP-20, SSP-40, and SSP-60. ASDM V 7.3.x is available on-device to manage single instance deployments of Cisco ASA 5506-X, 5506W-X, 5506H-X, 5508-X, and 5516-X with FirePOWER Services.

Ordering Information

To place an order, visit the [Cisco ordering homepage](#). Table 5 provides ordering information for Cisco ASA with FirePOWER Services.

Table 6. Cisco ASA with FirePOWER Services Ordering Information

The following table includes Cisco ASA FirePOWER Services bundle SKUs (including hardware and subscription) that offer a convenient mechanism for ordering both the appliances and software subscriptions in a single SKU configuration. It is the recommended mode of configuration for ordering. Standalone AMP license and subscriptions are also available to **upgrade** an existing TA or TAC subscription license. Please see the ASA with FirePOWER Services Ordering Guide for details.

Cisco ASA with FirePOWER Services 5500-X Series Bundles (Hardware and Subscription)	
ASA 5506-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5506-FPWR-BUN
ASA 5506W-X with FirePOWER Svcs. WiFi Chassis and Subs. Bundle	ASA5506W-FPWR-BUN
ASA 5508-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5508-FPWR-BUN
ASA 5516-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5516-FPWR-BUN
ASA 5512-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5512-FPWR-BUN
ASA 5515-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5515-FPWR-BUN
ASA 5525-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5525-FPWR-BUN
ASA 5545-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5545-FPWR-BUN
ASA 5555-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5555-FPWR-BUN
Cisco ASA with FirePOWER Services 5585-X Bundles (Hardware and Services Subscription)	
ASA 5585-X SSP-10 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S10F10-BUN
ASA 5585-X SSP-10X with FirePOWER Svcs. Chassis and Subs.	ASA5585-S10F10X-BN
ASA 5585-X EP S10F40 with FirePOWER Svcs. Chassis-Subs.	ASA5585-S10F40-BUN
ASA 5585-X SSP-20 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S20F20-BUN
ASA 5585-X SSP-20X with FirePOWER Svcs. Chassis and Subs.	ASA5585-S20F20X-BN
ASA 5585-X EP S20F60 with FirePOWER Svcs. Chassis-Subs.	ASA5585-S20F60-BUN
ASA 5585-X SSP-40 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S40F40-BUN
ASA 5585-X SSP-60 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S60F60-BUN

Product Description	Part Number
Cisco ASA 5506-X Series Low-End Appliances (Hardware)	
ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5506-K8
ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506-K9
ASA 5506W-A-X with FirePOWER services, WiFi for North America, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-A-K9
ASA 5506W-E-X with FirePOWER services, WiFi for Europe, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-E-K9
ASA 5506W-Q-X with FirePOWER services, WiFi for Japan, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-Q-K9
ASA 5506W-Z-X with FirePOWER services, WiFi for Australia/New Zealand, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-Z-K9
ASA 5506H-X with FirePOWER services, ruggedized, security plus, 4GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506H-SP-BUN-K9
ASA 5508-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5508-K8
ASA 5508-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5508-K9
ASA 5516-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5516-K8
ASA 5516-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5516-K9
Cisco ASA 5500-X Series Midrange Appliances (Hardware)	
ASA 5512-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD	ASA5512-FPWR-K9
ASA 5515-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD	ASA5515-FPWR-K9
ASA 5525-X with FirePOWER Services, 8GE data, AC, 3DES/AES, SSD	ASA5525-FPWR-K9
ASA 5545-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD	ASA5545-FPWR-K9
ASA 5555-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD	ASA5555-FPWR-K9
Cisco ASA 5585-X Appliances (Hardware)	
ASA 5585-X chassis with SSP-10, FirePOWER SSP-10, 16GE, 4GE mgmt, 1 AC, 3DES/AES	ASA5585-S10F10-K9
ASA 5585-X chassis with SSP-10, FirePOWER SSP-10, 16GE, 4SFP+, 2 AC, 3DES/AES	ASA5585-S10F10XK9
ASA 5585-X EP SSP-10, FP SSP-40, 14GE, 6SFP+, 1AC, 3DES/AES	ASA5585-S10F40-K9

Product Description	Part Number	
ASA 5585-X chassis with SSP-20, FirePOWER SSP-20, 16GE, 4GE mgmt, 1 AC, 3DES/AES	ASA5585-S20F20-K9	
ASA 5585-X chassis with SSP-20, FirePOWER SSP-20, 16GE, 4SFP+, 2 AC, 3DES/AES	ASA5585-S20F20XK9	
ASA 5585-X EP SSP-20, FP SSP-60, 14GE, 6SFP+, 1AC, 3DES/AES	ASA5585-S20F60-K9	
ASA 5585-X chassis with SSP-40, FirePOWER SSP-40, 12GE, 8SFP+, 1 AC, 3DES/AES	ASA5585-S40F40-K9	
ASA 5585-X chassis with SSP-60, FirePOWER SSP-60, 12GE, 8 SFP+, 2 AC, 3DES/AES	ASA5585-S60S60-K9	
ASA with FirePOWER Services Software Subscriptions: 3-Year Term (1-Year Service Software Bundle Subscriptions Can be Purchased as well as Individual Cisco IPS, AMP, and URL Filtering Service Software Subscriptions with 1-Year and 3-Year Terms)		
Cisco ASA5506 FirePOWER IPS and Apps 3YR Subscription	L-ASA5506-TA=	L-ASA5506-TA-3Y
Cisco ASA5506 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506-TAC=	L-ASA5506-TAC-3Y
Cisco ASA5506 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506-TAM=	L-ASA5506-TAM-3Y
Cisco ASA5506 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506-TAMC=	L-ASA5506-TAMC-3Y
Cisco ASA5506 FirePOWER URL Filtering 3YR Subscription	L-ASA5506-URL=	L-ASA5506-URL-3Y
Cisco ASA5506W FirePOWER IPS and Apps 3YR Subscription	L-ASA5506W-TA=	L-ASA5506W-TA-3Y
Cisco ASA5506W FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506W-TAC=	L-ASA5506W-TAC-3Y
Cisco ASA5506W FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506W-TAM=	L-ASA5506W-TAM-3Y
Cisco ASA5506W FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506W-TAMC=	L-ASA5506W-TAMC-3Y
Cisco ASA5506W FirePOWER URL Filtering 3YR Subscription	L-ASA5506W-URL=	L-ASA5506W-URL-3Y
Cisco ASA5506H FirePOWER IPS and Apps 3YR Subscription	L-ASA5506H-TA=	L-ASA5506H-TA-3Y
Cisco ASA5506H FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506H-TAC=	L-ASA5506H-TAC-3Y
Cisco ASA5506H FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506H-TAM=	L-ASA5506H-TAM-3Y
Cisco ASA5506H FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506H-TAMC=	L-ASA5506H-TAMC-3Y
Cisco ASA5508 FirePOWER IPS and Apps 3YR Subscription	L-ASA5508-TA=	L-ASA5508-TA-3Y
Cisco ASA5508 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5508-TAC=	L-ASA5508-TAC-3Y
Cisco ASA5508 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5508-TAM=	L-ASA5508-TAM-3Y
Cisco ASA5508 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5508-TAMC=	L-ASA5508-TAMC-3Y
Cisco ASA5508 FirePOWER URL Filtering 3YR Subscription	L-ASA5508-URL=	L-ASA5508-URL-3Y
Cisco ASA5516 FirePOWER IPS and Apps 3YR Subscription	L-ASA5516-TA=	L-ASA5516-TA-3Y

Product Description	Part Number	
Cisco ASA5516 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5516-TAC=	L-ASA5516-TAC-3Y
Cisco ASA5516 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5516-TAM=	L-ASA5516-TAM-3Y
Cisco ASA5516 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5516-TAMC=	L-ASA5516-TAMC-3Y
Cisco ASA5516 FirePOWER URL Filtering 3YR Subscription	L-ASA5516-URL=	L-ASA5516-URL-3Y
Cisco ASA5512 FirePOWER IPS and Apps 3YR Subscription	L-ASA5512-TA=	L-ASA5512-TA-3Y
Cisco ASA5512 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5512-TAC=	L-ASA5512-TAC-3Y
Cisco ASA5512 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5512-TAM=	L-ASA5512-TAM-3Y
Cisco ASA5512 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5512-TAMC=	L-ASA5512-TAMC-3Y
Cisco ASA5512 FirePOWER URL Filtering 3YR Subscription	L-ASA5512-URL=	L-ASA5512-URL-3Y
Cisco ASA5515 FirePOWER IPS and Apps 3YR Subscription	L-ASA5515-TA=	L-ASA5515-TA-3Y
Cisco ASA5515 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5515-TAC=	L-ASA5515-TAC-3Y
Cisco ASA5515 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5515-TAM=	L-ASA5515-TAM-3Y
Cisco ASA5515 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5515-TAMC=	L-ASA5515-TAMC-3Y
Cisco ASA5515 FirePOWER URL Filtering 3YR Subscription	L-ASA5515-URL=	L-ASA5515-URL-3Y
Cisco ASA5525 FirePOWER IPS and Apps 3YR Subscription	L-ASA5525-TA=	L-ASA5525-TA-3Y
Cisco ASA5525 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5525-TAC=	L-ASA5525-TAC-3Y
Cisco ASA5525 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5525-TAM=	L-ASA5525-TAM-3Y
Cisco ASA5525 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5525-TAMC=	L-ASA5525-TAMC-3Y
Cisco ASA5525 FirePOWER URL Filtering 3YR Subscription	L-ASA5525-URL=	L-ASA5525-URL-3Y
Cisco ASA5545 FirePOWER IPS and Apps 3YR Subscription	L-ASA5545-TA=	L-ASA5545-TA-3Y
Cisco ASA5545 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5545-TAC=	L-ASA5545-TAC-3Y
Cisco ASA5545 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5545-TAM=	L-ASA5545-TAM-3Y
Cisco ASA5545 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5545-TAMC=	L-ASA5545-TAMC-3Y
Cisco ASA5545 FirePOWER URL Filtering 3YR Subscription	L-ASA5545-URL=	L-ASA5545-URL-3Y
Cisco ASA5555 FirePOWER IPS and Apps 3YR Subscription	L-ASA5555-TA=	L-ASA5555-TA-3Y
Cisco ASA5555 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5555-TAC=	L-ASA5555-TAC-3Y
Cisco ASA5555 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5555-TAM=	L-ASA5555-TAM-3Y
Cisco ASA5555 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5555-TAMC=	L-ASA5555-TAMC-3Y

Product Description	Part Number	
Cisco ASA5555 FirePOWER URL Filtering 3YR Subscription	L-ASA5555-URL=	L-ASA5555-URL-3Y
Cisco ASA5585-10 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-10-TA=	L-ASA5585-10-TA-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-10-TAC=	L-ASA5585-10-TAC-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-10-TAM=	L-ASA5585-10-TAM-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-10-TAMC=	L-ASA5585-10-TAMC-3Y
Cisco ASA5585-10 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-10-URL=	L-ASA5585-10-URL-3Y
Cisco ASA5585-20 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-20-TA=	L-ASA5585-20-TA-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-20-TAC=	L-ASA5585-20-TAC-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-20-TAM=	L-ASA5585-20-TAM-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-20-TAMC=	L-ASA5585-20-TAMC-3Y
Cisco ASA5585-20 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-20-URL=	L-ASA5585-20-URL-3Y
Cisco ASA5585-40 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-40-TA=	L-ASA5585-40-TA-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-40-TAC=	L-ASA5585-40-TAC-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-40-TAM=	L-ASA5585-40-TAM-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-40-TAMC=	L-ASA5585-40-TAMC-3Y
Cisco ASA5585-40 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-40-URL=	L-ASA5585-40-URL-3Y
Cisco ASA5585-60 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-60-TA=	L-ASA5585-60-TA-3Y
Cisco ASA5585-60 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-60-TAC=	L-ASA5585-60-TAC-3Y
Cisco ASA5585-60 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-60-TAM=	L-ASA5585-60-TAM-3Y
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To Download the Software

Visit the [Cisco Software Center](#) to download Cisco ASA with FirePOWER Services Software.

For More Information

For more information, please visit the following links:

- Cisco ASA 5500-X Series Next-Generation Firewalls:
<http://www.cisco.com/go/asa>.
- Cisco Security Manager:
<http://www.cisco.com/c/en/us/products/security/security-manager/index.html>.
- Cisco Adaptive Security Device Manager:
<http://www.cisco.com/c/en/us/products/security/adaptive-security-device-manager/index.html>.
- Cisco Security Services:
http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv_group_home.html.
- Cisco AnyConnect Secure Mobility Client
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