



SALES QUOTATION

QUOTE: Q112309
ISSUED: 02/24/2015
EXPIRES: 03/26/2015
TERMS: NET 30
CUSTOMER REFERENCE: CRFQ 0506
SHIP METHOD: WIC1500000002
DELIVERY TERMS: UPS GROUND
FOB:
CURRENCY: Destination USD

ISSUE ORDERS TO:

BLACK BOX CORPORATION OF
 PENNSYLVANIA
 1000 PARK DRIVE
 LAWRENCE, PA 15055

PH: 724-746-5500
 FAX: 800-321-0746

For inquiries, please contact:

QUOTE TO:

ACCT#: 304378010
 STATE OF WEST VIRGINIA
 350 CAPITOL ST
 RM 519
 HEALTH AND HUMAN RESOURCES
 BPH NUTRITION SVCS
 CHARLESTON, WV 25301

CONTACT:

GREGORY CLAY
 PHONE: (304) 558-2566
 EMAIL: GREGORY.C.CLAY@WV.GOV

Account Manager:
 Joe Macchlone
 Phone: (724) 873-6583
 Email: joe.macchlone@blackbox.com

Please reference quote number **Q112309** when placing your order.

Line	Qty	Item number	UOM	UOM Weight	List price	Your Price	Ext Price
1	45	LGB5028A 24+4-PORT GIGABIT SWITCH MANAGED W/ 4 SFP+ 10G This item is currently in stock and available for immediate delivery. WARRANTY STD 1 YEAR Extended Warranty Available	Each	11.3480	999.95	670.99	30,194.55
2	5	LGB5052A 48+4-PORT GIGABIT SWITCH MANAGED W/ 4 SFP+ 10G This item is currently in stock and available for immediate delivery. WARRANTY STD 1 YEAR Extended Warranty Available	Each	12.0720	1,799.95	1,207.83	6,039.15
		US Based Technical Support 24x7x365					0.00
				Total weight:	571.0200		

All orders subject to freight and handling. For specific charges contact your account manager.

Total in USD: 36,233.70

This quote is provided in good faith, and the quoted pricing is based on quantities purchased in their entirety, unless approved in advance by your Black Box account manager. Any custom, non-standard, and/or non-stocked item(s) are non-cancelable and non-returnable once your order is placed.

Confidentiality Statement

All product and services information provided on this Quotation, including, without limitation, product and services, specifications and pricing, is the confidential information of Black Box and is for the internal use of the party to whom it is addressed. Disclosure of all or any portion of such information to any third party or use of such information for any purpose other than evaluating the purchase of products and services from Black Box is strictly prohibited.

For current Terms and Conditions visit www.blackbox.com/support/product-support/terms-and-conditions-of-sale.aspx.

Please reference quote number **Q112309** when placing your order.

Customer Service 724-746-5500 - Email to orders@blackbox.com - Fax Ordering 800-321-0746

02/24/15 13:31:01
Purchasing Division

BID RECEIVED LATE
 BUYER *[Signature]*
 WITNESS *[Signature]*

DISQUALIFIED



SALES QUOTATION

ISSUE ORDERS TO:

BLACK BOX CORPORATION OF
PENNSYLVANIA
1000 PARK DRIVE
LAWRENCE, PA 15055

PH: 724-746-5500
FAX: 800-321-0746

QUOTE:

Q112309

ISSUED: 02/24/2015
EXPIRES: 03/26/2015
TERMS: NET 30
CUSTOMER REFERENCE: CRFQ 0506
SHIP METHOD: WIC1500000002
DELIVERY TERMS: UPS GROUND
FOB:
CURRENCY: Destination
USD

For inquiries, please contact:**QUOTE TO:**

ACCT#: 304378010
STATE OF WEST VIRGINIA
350 CAPITOL ST
RM 519
HEALTH AND HUMAN RESOURCES
BPH NUTRITION SVCS
CHARLESTON, WV 25301

CONTACT:

GREGORY CLAY
PHONE: (304) 358-2566
EMAIL: GREGORY.C.CLAY@WV.GOV

Account Manager:
Joe Macchione
Phone: (724) 873-6563
Email: Joe.macchione@blackbox.com

Please reference quote number **Q112309** when placing your order.

NOTES

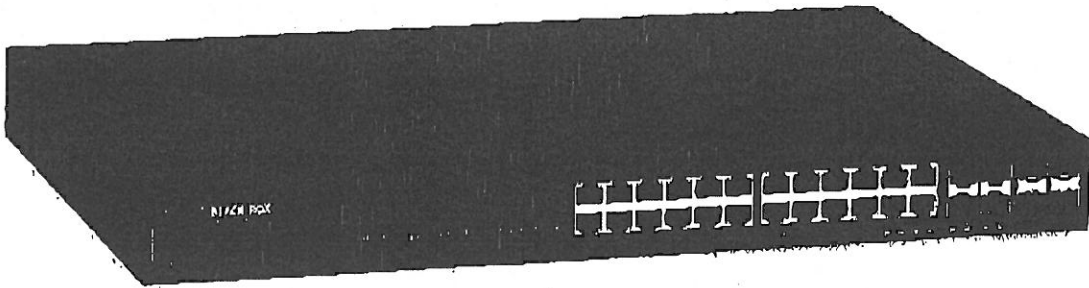
FREIGHT ESTIMATE \$240.00

Please reference quote number **Q112309** when placing your order.

Customer Service 724-746-5500 - Email to orders@blackbox.com - Fax Ordering 800-321-0746

Joe Macchione

From: Joe Macchione
Sent: Tuesday, February 24, 2015 1:12 PM
To: Joe Macchione
Attachments: Q112309.pdf



•
•

Gigabit Ethernet Managed Switch - 28-Port



Versatile high-speed switching with 10-GbE uplinks.
LGB5028A

Extended Double Diamond™ Warranty Available
(3 Additional Year)

Product Highlights

- Provides (20) 10/100/1000BASE-T UTP ports, (4) dual-media UTP/SFP ports, and (4) SFP+ ports that support speeds up to 10 Gbps.
- Full SNMP management plus Web-based management.
- Support for VLAN and QoS.
- Supports IEEE 802.1x port-based network access control.
- 802.3az Energy-Efficient Ethernet saves on power costs.

Description

Gigabit Ethernet Managed Switch - 28-Port

Quick Facts

- Provides (20) 10/100/1000BASE-T UTP ports, (4) dual-media UTP/SFP ports, and (4) SFP+ ports that support speeds up to 10 Gbps.
- Full SNMP management plus Web-based management.
- Support for VLAN and QoS.
- Supports IEEE 802.1x port-based network access control.
- 802.3az Energy-Efficient Ethernet saves on power costs.

Further Details

The Gigabit Ethernet Managed Switch adds 28 high-speed ports—including four 10-GBE SFP+ ports—while offering the management and security features your enterprise network needs.

This capable Layer 2 switch offers 20 autosensing 10-/100-/1000-Mbps RJ-45 Ethernet ports. It also has four dual-media ports, each of which consists of an 10-/100-/1000-Mbps RJ-45 port plus an SFP port. These dual-media ports can be used *either* as a normal UTP Ethernet port or adapted to 100- or 1000-Mbps fiber through the use of an SFP. Additionally, the switch features four SFP+ ports which support 1- or 10-Gbps uplinks through the use of SFP+ transceivers.

Fully manageable

The switch is fully managed, supporting SNMP version 1, 2c, and 3. The embedded RMON software agents support RMON groups 1 (history), 2 (statistics), 3 (alarms), and 9 (events).

The integral Web server enables Web-based management via Web browser. This GUI interface enables switch configuration, system dashboard, maintenance, and monitoring.

The wide range of management and support features also includes dual image, port mirroring, LLDP, sFlow®, UPnP®, IPv6, SSH, RADIUS, DHCP Client/DHCPv6 Client, SNMP, cable diagnostics, ping, syslog, and Telnet client with SSH security.

Support for VLAN and QoS

Support for up to four simultaneous VLANs enables you to segment traffic with port-based, 802.1Q tag-based, or MAC-based VLANs.

802.1p Layer 2 quality of service (QoS) enables prioritization of time-sensitive applications such as VoIP and video.

Secure

You get enterprise-class security features, too. 802.1X port-based network access control authenticates devices connecting to your network. The switch also supports SNMPv3 cryptographic security, SSH, and SSL. Plus, you can set up a guest VLAN that enables visitors to access the Internet without also giving them access to the corporate network.

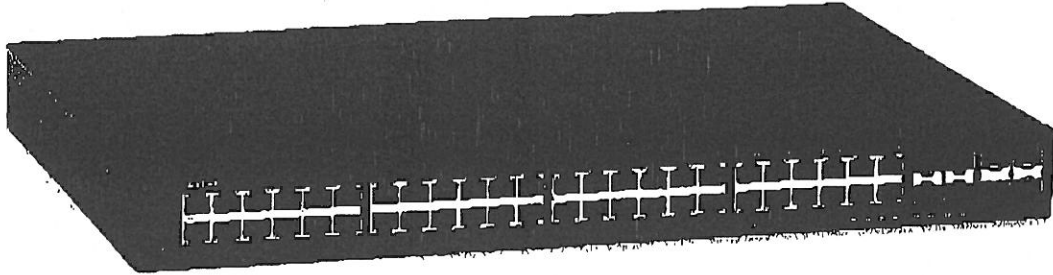
Green

The Gigabit Ethernet Managed Switch features IEEE 802.3az energy-efficient Ethernet, which scales down power consumption during periods of low data activity. This feature adds up to energy savings of up to 50%.

Cable length detection adjusts signal strength to the cable length, reducing power consumption on shorter cable runs.

Technical Specifications for Gigabit Ethernet Managed Switch - 28-Port:

Environmental	Operating temperature: 32 to 104° F (0 to 40° C); Operating humidity: 10 to 90% noncondensing
MAC Addresses	32 K
Jumbo Frames	Frame sizes up to 9 KB supported on Gigabit interfaces
CE Approval	Yes
Connectors	(20) 10-/100-/1000-Mbps RJ-45; (4) dual-media ports, each consisting of (1) 10-/100-/1000-Mbps RJ-45 and (1) SFP; (4) 1-/10-Gbps SFP+
Power	Internal power supply: autosensing 100-240-VAC, 50-60 Hz,
Dimensions	1.75 (1U) H x 17.4"W x 11.8"D (4.4 x 44.2 x 30 cm)
Weight	



•
•
•

Gigabit Ethernet Managed Switch - 52-Port



Versatile high-speed switching with 10-GbE uplinks.
LGB5052A

Extended Double Diamond™ Warranty Available
(3 Additional Year)

Product Highlights

- Provides (44) 10/100/1000BASE-T UTP ports, (4) dual-media UTP/SFP ports, and (4) SFP+ ports that support speeds up to 10 Gbps.
- Full SNMP management plus Web-based management.
- Support for VLAN and QoS.
- Supports IEEE 802.1x port-based network access control.
- 802.3az Energy-Efficient Ethernet saves on power costs.

- Details
- Tech Specs
- Resources
- Accessories
- Warranty
- Similar Products

Description

Gigabit Ethernet Managed Switch - 52-Port

Quick Facts

- Provides (44) 10/100/1000BASE-T UTP ports, (4) dual-media UTP/SFP ports, and (4) SFP+ ports that support speeds up to 10 Gbps.
- Full SNMP management plus Web-based management.
- Support for VLAN and QoS.
- Supports IEEE 802.1x port-based network access control.
- 802.3az Energy-Efficient Ethernet saves on power costs.

Further Details

The Gigabit Ethernet Managed Switch adds 52 high-speed ports—including four 10-GBE SFP+ ports—while offering the management and security features your enterprise network needs.

This capable Layer 2 switch offers 44 autosensing 10-/100-/1000-Mbps RJ-45 Ethernet ports. It also has four dual-media ports, each of which consists of an 10-/100-/1000-Mbps RJ-45 port plus an SFP port. These dual-media ports can be used *either* as a normal UTP Ethernet port or adapted to 100- or 1000-Mbps fiber through the use of an SFP. Additionally, the switch features four SFP+ ports which support 1- or 10-Gbps uplinks through the use of SFP+ transceivers.

Fully manageable

The switch is fully managed, supporting SNMP version 1, 2c, and 3. The embedded RMON software agents support RMON groups 1 (history), 2 (statistics), 3 (alarms), and 9 (events).

The integral Web server enables Web-based management via Web browser. This GUI interface enables switch configuration, system dashboard, maintenance, and monitoring.

The wide range of management and support features also includes dual image, port mirroring, LLDP, sFlow®, UPnP®, IPv6, SSH, RADIUS, DHCP Client/DHCPv6 Client, SNMP, cable diagnostics, ping, syslog, and Telnet client with SSH security.

Support for VLAN and QoS

Support for up to four simultaneous VLANs enables you to segment traffic with port-based, 802.1Q tag-based, or MAC-based VLANs.

802.1p Layer 2 quality of service (QoS) enables prioritization of time-sensitive applications such as VoIP and video.

Secure

You get enterprise-class security features, too. 802.1X port-based network access control authenticates devices connecting to your network. The switch also supports SNMPv3 cryptographic security, SSH, and SSL. Plus, you can set up a guest VLAN that enables visitors to access the Internet without also giving them access to the corporate network.

Green

The Gigabit Ethernet Managed Switch features IEEE 802.3az energy-efficient Ethernet, which scales down power consumption during periods of low data activity. This feature adds up to energy savings of up to 50%.

Cable length detection adjusts signal strength to the cable length, reducing power consumption on shorter cable runs.

Technical Specifications for Gigabit Ethernet Managed Switch - 52-Port:

Environmental	Operating temperature: 32 to 104° F (0 to 40° C); Operating humidity: 10 to 90% noncondensing
----------------------	--

MAC Addresses	32 K
Jumbo Frames	Frame sizes up to 9 KB supported on Gigabit interfaces
CE Approval	Yes
Connectors	(44) 10-/100-/1000-Mbps RJ-45; (4) dual-media ports, each consisting of (1) 10-/100-/1000-Mbps RJ-45 and (1) SFP; (4) 1-/10-Gbps SFP+
Power	Internal power supply: autosensing 100-240-VAC, 50-60 Hz,
Dimensions	1.75 (1U) H x 17.4"W x 11.8"D (4.4 x 44.2 x 30 cm)
Weight	9 lb. (4.1 kg)

Description

Gigabit Ethernet Managed Switch - 52-Port

Quick Facts

- Provides (44) 10/100/1000BASE-T UTP ports, (4) dual-media UTP/SFP ports, and (4) SFP+ ports that support speeds up to 10 Gbps.
- Full SNMP management plus Web-based management.
- Support for VLAN and QoS.
- Supports IEEE 802.1x port-based network access control.
- 802.3az Energy-Efficient Ethernet saves on power costs.

Further Details

The Gigabit Ethernet Managed Switch adds 52 high-speed ports—including four 10-GBE SFP+ ports—while offering the management and security features your enterprise network needs.

This capable Layer 2 switch offers 44 autosensing 10-/100-/1000-Mbps RJ-45 Ethernet ports. It also has four dual-media ports, each of which consists of an 10-/100-/1000-Mbps RJ-45 port plus an SFP port. These dual-media ports can be used *either* as a normal UTP Ethernet port or adapted to 100- or 1000-Mbps fiber through the use of an SFP. Additionally, the switch features four SFP+ ports which support 1- or 10-Gbps uplinks through the use of SFP+ transceivers.

Fully manageable

The switch is fully managed, supporting SNMP version 1, 2c, and 3. The embedded RMON software agents support RMON groups 1 (history), 2 (statistics), 3 (alarms), and 9 (events).

The Integral Web server enables Web-based management via Web browser. This GUI interface enables switch configuration, system dashboard, maintenance, and monitoring.

The wide range of management and support features also includes dual image, port mirroring, LLDP, sFlow®, UPnP®, IPv6, SSH, RADIUS, DHCP Client/DHCPv6 Client, SNMP, cable diagnostics, ping, syslog, and Telnet client with SSH security.

Support for VLAN and QoS

Support for up to four simultaneous VLANs enables you to segment traffic with port-based, 802.1Q tag-based, or MAC-based VLANs.

802.1p Layer 2 quality of service (QoS) enables prioritization of time-sensitive applications such as VoIP and video.

Secure

You get enterprise-class security features, too. 802.1X port-based network access control authenticates devices connecting to your network. The switch also supports SNMPv3 cryptographic security, SSH, and SSL. Plus, you can set up a guest VLAN that enables visitors to access

the Internet without also giving them access to the corporate network.

Green

The Gigabit Ethernet Managed Switch features IEEE 802.3az energy-efficient Ethernet, which scales down power consumption during periods of low data activity. This feature adds up to energy savings of up to 50%.

Cable length detection adjusts signal strength to the cable length, reducing power consumption on shorter cable runs.



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

State of West Virginia
Request for Quotation

Proc Folder: 53744

Doc Description: (50) CISCO NETWORK SWITCHES OR EQUAL

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2015-01-27	2015-02-24 13:30:00	CRFQ 0508 WIC1500000002	1

FOR INFORMATION CONTACT THE BUYER

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

VENDOR

Vendor Name, Address and Telephone Number:
BLACK BOX CORPORATION.
1000 PARK DRIVE.
LAWRENCE PA. 15143.
800-231-3222 x6583

SEE ATTACHED QUOTE Q112309

FOR INFORMATION CONTACT THE BUYER

Gregory Clay
(304) 558-2566
gregory.c.clay@wv.gov

Signature X

FEIN #

DATE

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

PURCHASING DIRECTOR - 304-356-4095 HEALTH AND HUMAN RESOURCES BPH - NUTRITION SERVICES 350 CAPITOL ST, RM 519 CHARLESTON WV25301-3717 US		PURCHASING DIRECTOR - 304-356-4095 HEALTH AND HUMAN RESOURCES BPH - NUTRITION SERVICES 350 CAPITOL ST, RM 519 CHARLESTON WV 25301-3717 US	
---	--	--	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	NETWORK SWITCHES 24 GIG	45.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222612		<i>SEE ATTACHED QUOTE Q112309</i>	

Extended Description :

Network device that filters, forwards, and floods frames based on the destination address of each frame. The switch operates at the data link layer of the OSI model.

PURCHASING DIRECTOR - 304-356-4095 HEALTH AND HUMAN RESOURCES BPH - NUTRITION SERVICES 350 CAPITOL ST, RM 519 CHARLESTON WV25301-3717 US		PURCHASING DIRECTOR - 304-356-4095 HEALTH AND HUMAN RESOURCES BPH - NUTRITION SERVICES 350 CAPITOL ST, RM 519 CHARLESTON WV 25301-3717 US	
---	--	--	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	NETWORK SWITCHES 48 GIG	5.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222612		<i>SEE ATTACHED QUOTE Q112309</i>	

Extended Description :

Network device that filters, forwards, and floods frames based on the destination address of each frame. The switch operates at the data link layer of the OSI model.

WIC1500000002	Document Phase Final	Document Description (50) CISCO NETWORK SWITCHES OR EQUAL	Page 3 of 3
---------------	--------------------------------	--	------------------------------

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions