

X440-G2 Series Switch Quick Reference



Electrical Hazard: Only qualified personnel should perform installation procedures.
Risques d'électrocution: Seul un personnel qualifié doit effectuer les procédures d'installation.

For complete installation instructions see the *Extreme Networks Summit Family Hardware Installation Guide* at: www.extremenetworks.com/documentation

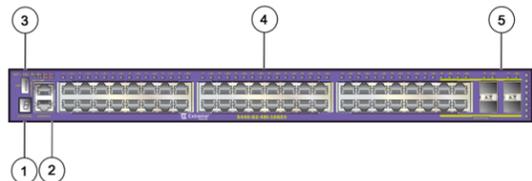
Hardware Components

The following figures display the front and rear panel ports, LEDs, and hardware components on a typical X440-G2 switch. See the *Extreme Networks Summit Family Hardware Installation Guide* for component details.



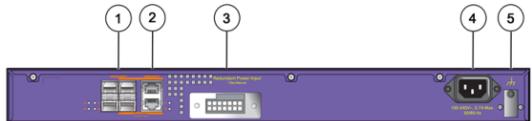
Note: Switch models X440-G2-12t8fx-GE4, X440-G2-24fx-GE4, and X440-G2-24t-GE4 do not support stacking. The front panel stack LED on these models does not function.

Figure 1 X440-G2 Sample Front Panel



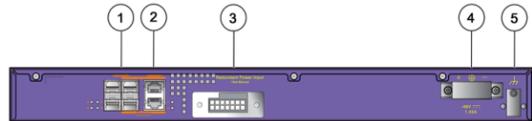
- Stack LED
- Console/Management ports
- USB port
- 10/100/1000BASE-T copper ports
- 1000BASE-X SFP ports

Figure 2 X440-G2 Sample Rear Panel (AC power)



- 10GBASE-X SFP+ ports
- 10GBASE-T copper ports
- Redundant power input
- AC power input socket
- Grounding lug

Figure 3 X440-G2 Sample Rear Panel (DC power)



- 10GBASE-X SFP+ ports
- 10GBASE-T copper ports
- Redundant power input
- DC power connector panel
- Grounding lug

Installation Site Requirements

The installation site must be within reach of the network cabling and meet the requirements listed below:

- Appropriate grounded power receptacles must be located within six feet of the site.
- A temperature of between 0°C (32°F) to 60°C (140°F) with fluctuations of less than 10°C (18°F) per hour must be maintained for the following X440-G2 switches:
 - X440-G2-12t8fx-GE4
 - X440-G2-24fx-GE4
 - X440-G2-24t-GE4

For all other X440-G2 series switches, a temperature of between 0°C (32°F) and 50°C (122°F) must be maintained at the installation site with fluctuations of less than 10°C (18°F) per hour.



Caution: To ensure proper ventilation and prevent overheating, leave a minimum clearance space of 7.6 cm (3.0 in.) on all sides of the device.

Attention: Pour assurer une bonne ventilation et éviter une surchauffe, laissez un espace de dégagement minimum de 7,6 cm (3,0 po.) Des tous les côtés de l'appareil.



Warning: A readily accessible disconnect device shall be incorporated in the building installation wiring.
Avertissement: Un dispositif de déconnexion facilement accessible doit être incorporé dans l'installation électrique du bâtiment.

Handling the Switch



Caution: The switch can be damaged by electrostatic discharge.

To prevent electrostatic damage, attach an electrostatic discharge (ESD) wrist strap to your wrist before handling the switch.

Unpack the switch as follows:

- Remove the packing material protecting the switch.
- Remove the tape seal on the non-conductive bag to remove the switch.
- Perform a visual inspection of the switch for any signs of physical damage. Contact Extreme Networks if there are any signs of damage. See "Getting Help" for more information on contacting Extreme Networks.

Installing the X440-G2 Series Switch

You can install a X440-G2 Series switch in a rack. There are four possible rack mounting configurations, depending upon whether:

- The switch I/O ports or the power supply side of the device face front.
- The device is mounted flush with the rack posts or mid-mounted.

Secure the X440-G2 Series switches to the Rack



Caution: Before rack-mounting the device, ensure that the rack can support it without compromising stability. Otherwise, personal injury and/or equipment damage may result.



Note: The rack mounting brackets provide two holes for securing the X440-G2 Series switches to the rack. Use two screws or fasteners appropriate to your rack on each side when securing the X440-G2 Series switch to the rack.

To secure the X440-G2 Series switches to the rack:

- Attach the mounting brackets to the sides of the switch using four screws for each bracket.
- Align the rack mount ear holes with the front rack post holes.
- Secure the X440-G2 Series switches to each rack post with two screws or fasteners appropriate to the rack.

Install Optical Transceivers



Warning: LASER RADIATION
Fiber-optic ports use Class 1 or Class 1M lasers. DO NOT EXPOSE USERS OF TELESCOPIC OPTICS
Do not use optical instruments to view the laser output. The use of optical instruments to view laser output increases eye hazard. Use only UL/CSA, EN60825-1/-2 recognized pluggable modules.
Avertissements: RAYONNEMENT LASER
Ports de fibres optiques utilisent des lasers de classe 1 ou de classe 1M.
NE PAS exposer les utilisateurs de télescopique OPTIQUE.
Ne pas utiliser d'instruments optiques pour voir la sortie du laser.
L'utilisation de instruments optiques pour afficher la sortie laser augmente les risques oculaires. Utilisez uniquement UL / CSA, EN60825-1 /-2 reconnu modules enfichables.

This installation procedure applies to all optical transceivers. To install a transceiver in an X440-G2 Series switch:

- Attach the ESD wrist strap to your wrist and connect the metal end to an appropriate ground point on the rack.
- Remove the optical transceiver from the packaging.
- If there is a protective dust cover on the connector, remove it at this time.
- Hold the optical transceiver so that the connector will seat properly.
- Carefully align the optical transceiver with the port slot.
- Push the optical transceiver into the port slot until the transceiver clicks and locks into place.

Connect Power to the Switch



Warning: Extreme Networks power supplies do not have switches for turning the unit on and off. Before servicing, disconnect all power cords to remove power from the device. Make sure that these connections are easily accessible.

Avertissement: Extreme Networks alimentations ne sont pas des interrupteurs pour allumer l'appareil et en dehors. Avant l'entretien, débranchez tous les cordons d'alimentation pour couper l'alimentation de l'appareil. Assurez-vous que ces connexions sont facilement accessibles.



Warning: A dedicated Listed circuit breaker rated at 15A is to be used for each power supply connection.

Avertissement: Un disjoncteur cotée dédiée évalué à 15A doit être utilisée pour chaque connexion d'alimentation.



Warning: Always make sure that the DC circuit is de-energized before connecting or disconnecting DC power cables.
Avertissement: Assurez-vous toujours que le circuit DC est hors tension avant de brancher ou de débrancher les câbles d'alimentation DC.

You can connect to a single, primary source of power, or to two sources of power for redundancy.



Note: Installing the system as described in this guide meets the protective earth grounding requirements of the National Electrical Code (NEC) UL 60950 and IEC 60950 standards. However, in some cases, it may be necessary to use an alternative grounding method. In these cases, a 14 AWG wire can be connected between the ground lug on the chassis and a nearby building ground point.

To power-up the X440-G2 Series switch, do the following:

- For AC powered units, connect the AC power cord to the AC power input socket on the switch and an AC power outlet.
- For DC powered switches, first verify the DC circuit is de-energized and then do the following:
 - Identify the grounding lug on the back of the switch. The grounding lug is the middle screw of the power connector panel, identified by the international symbol for earth ground (see Figure 3, item 5).
 - Connect the spade terminal end of the ground wire to the grounding lug on the back of the switch with the M4x0.7 screw provided and the other end to a reliable earth ground. Use stranded copper wire, minimum size 14 AWG maximum size 6 AWG.
 - Using a cross-head (Phillips) torque screwdriver, tighten the retaining screw to 20 pound-inches (2.25 Newton-meters).
 - Connect the DC power input cables to the DC input terminal block on the rear of the switch.
 - Energize the circuit.
- If applicable, attach the cable from your redundant power supply (RPS) into the X440-G2 Series switch's redundant power supply receptacle.
- Once power is connected, verify that the PSU LED and RPS LED (if applicable) turns green. If the PSU and RPS LEDs do not turn green, refer to the *Extreme*

Networks Summit Family Hardware Installation Guide for troubleshooting information.

Selection of Power Cords

Extreme Networks does not include any power input cords. To purchase the correct power cord for your specific country, refer to www.extremenetworks.com/product/powercords/ for power cord details to purchase a cord from Extreme Networks or your local supplier.

Initial Network Connection and Configuration

Managing your X440-G2 with ExtremeCloud? – Point your browser to ezcloudx.com/quickstart to get started.

Otherwise, once you have connected power to the switch and verified LED activity, complete the setup process as follows:

- Connect a management station to the console port using either an Ethernet to serial adapter or DB-9 serial cable.
- Verify that the system LEDs are on (solid green or blinking green).
- Using PuTTY, TeraTerm, or other terminal emulator, connect to the switch using the serial port connection. Be sure that your serial connection is set properly:
 - 9600 baud
 - 8 data bits
 - 1 stop bit
- Using the console session, perform the following:
 - At the password prompt, press ENTER (RETURN) twice.
 - Enter user: admin
 - For the initial password, simply press ENTER.
 - Follow the screen prompts for initial configuration.
 - Enter the show version command. Record the switch serial number. The following is example output with the serial number in bold:

```
Transit.3 # show version
Switch : 800444-00-05 1208G-00882 Rev 5.0 BootROM:
```
- Go to Extreme Networks eSupport at: <https://esupport.extremenetworks.com>
- After logging in, go to the [product registration page](#).
- Enter the serial number of the switch.
- Download the software to your PC from the software [download page](#).
- Connect back to the switch via the console port and connect a Ethernet cable to the management port on the switch to your PC.
- You might need to reset the IP address on your PC to some address (for example, 10.10.10.10 255.255.255.0) to avoid IP conflict.
- At the switch, set the IP address of the switch (for example, enter: con mgmt ipa 10.10.10.9/24).
- Enter save config to save your configuration.
- Start a TFTP session using a program such as TFTP64. Point the TFTP server to your PC IP address and ExtremeXOS image file saved on your PC.
- At the switch, download the new software to the switch (example: download image 10.10.10.10 summitX-16.1.1.3-patch1-9.xos).
- Install the software after it loads by entering Y when prompted if you want to install the load.
- When the download and install finishes, instruct the switch to reboot when prompted by entering: reboot.

Optional CLI Commands

Once logged into the switch you can create new VLANs by issuing the following two commands:

- create vlan <vlan name>
- configure vlan <vlan name> tag XXXX (replace XXXX with the VLAN tag number - options are 1 - 4094)

These two commands will create a VLAN, give it a logical name, and assign a tag number.

To configure a Default Gateway in the Extreme Networks CLI, enter: configure iproute add default <IP Address>

Port Configuration CLI Commands

For additional port configuration CLI commands, refer to the *ExtremeXOS Command Reference Guide* at: www.extremenetworks.com/documentation.

Specifications

Temperature and Humidity

Operating Temperature:

X440-G2-12t8fx-GE4, X440-G2-24fx-GE4,

and X440-G2-24t-GE4: 0°C (32°F) to 60°C (140°F)

All other X440-G2 switches: 0°C (32°F) to 50°C (122°F)

Storage Temperature:

-40°C to 70°C (-40°F to 158°F)

Operating Relative Humidity:

10% to 95% (non-condensing)

Power Specifications

X440-G2-24t-10GE4 (Part # 16532)	100-240Vac, 0.45 A max., 50/60 Hz
X440-G2-24p-10GE4 (Part # 16533)	100-240Vac, 4.9A-2.0A, 50/60Hz
X440-G2-48t-10GE4 (Part # 16534)	100-240Vac, 0.7 A max., 50/60 Hz
X440-G2-48p-10GE4 (Part # 16535)	100-240Vac, 9.2 A max., 50/60 Hz
X440-G2-12t-10GE4 (Part # 16530)	100-240Vac, 0.6 A max., 50/60 Hz
X440-G2-12p-10GE4 (Part # 16531)	100-240Vac, 2.6 A max., 50/60 Hz
X440-G2-24t-10GE4-DC (Part # 16536)	-48V DC, 1.0 A

Power Specifications (continued)

X440-G2-48t-10GE4-DC (Part # 16537)	-48V DC, 1.45 A
X440-G2-24x-10GE4 (Part # 16538)	100-240Vac, 0.8 A max., 50/60 Hz
X440-G2-24fx-GE4 (Part # 16539)	100-240Vac, 0.65 A max., 50/60 Hz
X440-G2-12t8fx-GE4 (Part # 16540)	100-240Vac, 0.5 A max., 50/60 Hz
X440-G2-24t-GE4 (Part # 16541)	100-240Vac, 0.45 A max., 50/60 Hz

Switch Dimensions

X440-G2-24t-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.38 in.) W x 25.4 cm (10.01 in.) L Weight: 3.66 kg (8.07 lb.) Packaged 13.9 cm (5.48 in.) H x 37.7 cm (14.85 in.) W x 56.8 cm (22.38 in.) L Weight: 5.17 kg (11.40 lb.)
X440-G2-24p-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.38 in.) W x 25.4 cm (10.01 in.) L Weight: 4.28 Kg (9.44 lb.) Packaged 13.9 cm (5.48 in.) H x 37.7 cm (14.85 in.) W x 56.8 cm (22.38 in.) L Weight: 5.81 Kg (12.81 lb.)
X440-G2-48t-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.36 in.) W x 36.9 cm (14.51 in.) L Weight: 5.09 Kg (11.22 lb.) Packaged 18.0 cm (7.09 in.) H x 48.5 cm (19.09 in.) W x 58.0 cm (22.83 in.) L Weight: 7.45Kg (16.42 lb.)
X440-G2-48p-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.36 in.) W x 36.9 cm (14.51 in.) L Weight: 6.6 Kg (14.55 lb.) Packaged 18.0 cm (7.09 in.) H x 48.5 cm (19.09 in.) W x 58.0 cm (22.83 in.) L Weight: 8.90 Kg (19.62 lb.)
X440-G2-12t-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 30.5 cm (12.01 in.) W x 26.1 cm (10.28 in.) L Weight: 2.64 Kg (5.82 lb.) Packaged 15.4 cm (6.07 in.) H x 37.5 cm (14.78 in.) W x 44.5 cm (17.53 in.) L Weight: 4.02 Kg (8.86 lb.)
X440-G2-12p-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 30.5 cm (12.01 in.) W x 26.1 cm (10.28 in.) L Weight: 3.02 Kg (6.66 lb.) Packaged 15.4 cm (6.07 in.) H x 37.5 cm (14.78 in.) W x 44.5 cm (17.53 in.) L Weight: 4.38 Kg (9.66 lb.)
X440-G2-24t-10GE4-DC	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.38 in.) W x 25.4 cm (10.01 in.) L Weight: 3.66 kg (8.07 lb.) Packaged 13.9 cm (5.48 in.) H x 37.7 cm (14.85 in.) W x 56.8 cm (22.38 in.) L Weight: 5.15 Kg (11.35 lb.)
X440-G2-48t-10GE4-DC	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.36 in.) W x 36.9 cm (14.51 in.) L Weight: 5.08 Kg (11.20 lb.) Packaged 18.0 cm (7.09 in.) H x 48.5 cm (19.09 in.) W x 58.0 cm (22.83 in.) L Weight: 7.36 Kg (16.23 lb.)
X440-G2-24x-10GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.38 in.) W x 25.4 cm (10.01 in.) L Weight: 3.73 Kg (8.22 lb.) Packaged 14.4 cm (5.67 in.) H x 38.1 cm (15.00 in.) W x 56.3 cm (22.14 in.) L Weight: 5.25Kg (11.58 lb.)
X440-G2-24fx-GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.38 in.) W x 25.4 cm (10.01 in.) L Weight: 3.93 kg (8.67 lb.) Packaged 13.9 cm (5.48 in.) H x 37.7 cm (14.85 in.) W x 56.8 cm (22.38 in.) L Weight: 5.48 Kg (12.08 lb.)
X440-G2-12t8fx-GE4	Unpackaged 4.4 cm (1.73 in.) H x 30.5 cm (12.01 in.) W x 26.1 cm (10.28 in.) L Weight: 2.95 kg (6.50 lb.) Packaged 15.4 cm (6.07 in.) H x 37.5 cm (14.78 in.) W x 44.5 cm (17.53 in.) L Weight: 4.34 Kg (9.57 lb.)
X440-G2-24t-GE4	Unpackaged 4.4 cm (1.73 in.) H x 44.1 cm (17.38 in.) W x 25.4 cm (10.01 in.) L Weight: 3.62 kg (7.98 lb.) Packaged 13.9 cm (5.48 in.) H x 37.7 cm (14.85 in.) W x 56.8 cm (22.38 in.) L Weight: 5.14 Kg (11.33 lb.)

Interfaces

Each X440-G2 Series switch has a USB, management, and console port. The following table lists the specific interfaces for each switch.

X440-G2-24t-10GE4 (Part # 16532)	X440-G2 24 10/100/1000BASE-T, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-24p-10GE4 (Part # 16533)	X440-G2 24 10/100/1000BASE-T POE+, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-48t-10GE4 (Part # 16534)	X440-G2 48 10/100/1000BASE-T, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+ (2 combo/2 non-combo), 2 1GbE copper combo upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-48p-10GE4 (Part # 16535)	X440-G2 48 10/100/1000BASE-T POE+, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+ (2 combo/2 non-combo), 2 1GbE copper combo upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-12t-10GE4 (Part # 16530)	X440-G2 12 10/100/1000BASE-T, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-12p-10GE4 (Part # 16531)	X440-G2 12 10/100/1000BASE-T POE+, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-24t-10GE4-DC (Part # 16536)	X440-G2 24 10/100/1000BASE-T, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed DC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-48t-10GE4-DC (Part # 16537)	X440-G2 48 10/100/1000BASE-T, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+ (2 combo/2 non-combo), 2 1GbE copper combo upgradable to 10GbE, 1 Fixed DC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-24x-10GE4 (Part # 16538)	X440-G2 24 unpopulated 1000BASE-X SFP (4 combo), 4 10/100/1000 combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-24fx-GE4 (Part # 16539)	X440-G2 24 fixed 100BASE-FX LC connectors, 4 1GBASE-X unpopulated SFP, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-12t8fx-GE4 (Part # 16540)	X440-G2 12 10/100/1000BASE-T, 8 fixed 100BASE-FX LC connectors, 4 1GBASE-X unpopulated SFP, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
X440-G2-24t-GE4 (Part # 16541)	X440-G2 24 fixed 10/100/1000BASE-TX, 4 1GBASE-X unpopulated SFP, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license

Getting Help

For additional support related to X440-G2 series switches or this document, contact Extreme Networks using one of the following methods:

Product Documentation	https://www.extremenetworks.com/documentation/
Global Technical Assistance Center (GTAC)	Phone: 1-800-998-2408 (toll-free in U.S. and Canada) or +1-408-579-2826. For the support phone number in your country, visit: http://www.extremenetworks.com/support/contact/
GTAC Knowledge	Get on-demand and tested resolutions from the GTAC Knowledgebase, or create a help case if you need more guidance. Visit: https://gtacknowledge.extremenetworks.com/
The Hub	A forum for Extreme customers to connect with one another, get questions answered, share ideas and feedback, and get problems solved. The community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC. Visit: https://community.extremenetworks.com
Support Portal	Manage cases, downloads, service contracts, product licensing, and training and certifications. Visit: http://support.extremenetworks.com/

Notice

Copyright © 2015 Extreme Networks, Inc. All Rights Reserved.

Legal Notices

Extreme Networks, Inc., on behalf of or through its wholly-owned subsidiary, Enterasys Networks, Inc., reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries.

All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, please see: www.extremenetworks.com/company/legal/trademarks/

Warranty

Warranty information for X440-G2 series switches is located online at:

www.extremenetworks.com/go/warranty

Regulatory and Compliance Information

Federal Communications Commission (FCC) Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment uses, generates, and can radiate radio frequency energy and if not installed in accordance with the operator’s manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.

WARNING: Changes or modifications made to this device which are not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Industry Canada Notice CAN ICES-3 (A)/NMB-3(A)

This digital apparatus does not exceed the class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n’émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Class A ITE Notice

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Product Safety

This product complies with the following international safety standards:

- UL 60950-1 2nd edition, A2:2014
- CAN/CSA-C22.2 No.60950-1-07 2nd Ed. 2014-10
- IEC 60950-1:2005 2nd+A1:2009+A2:2013
- EN 60950-1:2006+A11+A1+A12+A2
- 2014/35/EU (2006/95/EC will invalid by 20 April 2016)



Warning: The X440-12t8fx-GE4, X440-24fx-GE4, and X440-24t-GE4 may be hot to touch during normal operation.

Attention: Le X440-12t8fx-GE4, X440-24fx-GE4, et X440-24t-GE4 peut être chaude au toucher pendant le fonctionnement normal.



Electrical Hazard: The X440-12t8fx-GE4, X440-24fx-GE4, and X440-24t-GE4 are designed for installation in restricted access locations. **Attention:** Le X440-12t8fx-GE4, X440-24fx-GE4, et X440-24t-GE4 sont conçus pour une installation dans des endroits à accès restreint.

Optical Module Compliance

Extreme Networks pluggable optical modules and direct-attach cables meet the following regulatory requirements:

- UL and/or CSA registered component for North America
- Class 1 or Class 1M Laser Product
- FCC 21 CFR Chapter 1, Sub-chapter J in accordance with FDA & CDRH requirements
- EN 60825-1:2007, EN 60825-2:2004+A1+A2 or later, European Standard
- Application of CE Mark in accordance with 2004/108/EEC EMC Directive and 2006/95/EC Low Voltage Directive
- 47 CFR Part 15, Class A when installed into Extreme products

Korea EMC Statement (KCC)

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

Australia (RCM)

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may require to take adequate measures.

Electromagnetic Compatibility (EMC)

This product complies with the following: FCC 47 CFR Part 15 Subpart B Class A (US), ICES-003 issue 5 (Canada), EN 55022 (ITE Emissions), EN 55024 (ITE Immunity), EN 61000-3-2 (Harmonics), EN 61000-3-3 (Flicker), 2004/108/EC (EMC Directive), EN 300 386 (Telecom), EN 50121-1 (Railroad), EN 55011(ISM), EN 61000-6-2 (Ind. Immunity), EN 61000-6-4 Ind. Emissions), RCM (Australia), VCCI (Japan), MSIP KCC (Korea), BSMI (Taiwan), ANATEL (Brazil), CCC (China).

VCCI Notice

This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A

BSMI EMC Statement – Taiwan

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

警告使用者:

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻

擾動，在此種情況下，使用者會被要求採取某些適當的對策。

警告使用者:

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。

在这种情况下，可能需要用户对干扰采取切实可行的措施。

Battery Warning – Taiwan

警告

如果更換不正確之電池型式會有爆炸的風險，

請依製造商說明書處理用過之電池。

Battery Notice



Warning: This product contains a battery used to maintain product information. If the battery should need replacement it must be replaced by Service Personnel. Please contact Technical Support for assistance.

Risk of explosion if battery is replaced by an incorrect type. Dispose of expended battery in accordance with local disposal regulations.

Avertissements: Ce produit renferme une pile servant à conserver les renseignements sur le produit. Le cas échéant, faites remplacer la pile par le personnel du service de réparation. Veuillez communiquer avec l'assistance technique pour du soutien. Il y a risqué d'explosion si la pile est remplacée par un type de pile incorrect. Éliminez les piles usées en conformité aux règlements locaux d'élimination des piles.

Hazardous Substances- China and Taiwan BSMI RoHS

Guidance concerning the China and Taiwan BSMI RoHS (Restriction of Hazardous Substances) directive for this Extreme Networks® product can be found on the following web page:

www.extremenetworks.com/support/documentation/restriction-hazardous-substances/

The page contains tables detailing the presence of 10 substances defined by the RoHS directive.

Hazardous Substances - EU

This product complies with the requirements of Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

European Waste Electrical and Electronic Equipment (WEEE) Notice



In accordance with Directive 2012/19/EU of the European Parliament on waste electrical and electronic equipment (WEEE):

- The symbol above indicates that separate collection of electrical and electronic equipment is required.
- When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
- It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
- It is the users' responsibility to utilize the available collection system to ensure WEEE is properly treated. For information about the available collection system, please contact Extreme Customer Support at +353 61 705500 (Ireland).

Extreme Networks X440-G2 Series Switches

Quick Reference

X440-G2-24t-10GE4
X440-G2-24p-10GE4
X440-G2-48t-10GE4
X440-G2-48p-10GE4
X440-G2-12t-10GE4
X440-G2-12p-10GE4
X440-G2-24t-10GE4-DC
X440-G2-48t-10GE4-DC
X440-G2-24x-10GE4
X440-G2-24fx-GE4
X440-G2-12t8fx-GE4
X440-G2-24t-GE4