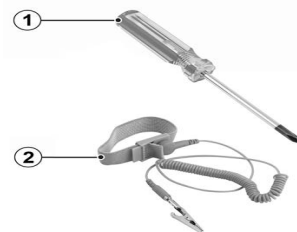# 5720 Series Quick Reference

Follow these steps to get the switch ready for use.

For complete installation instructions see the *ExtremeSwitching 5720 Hardware Installation Guide* at www.extremenetworks.com/documentation
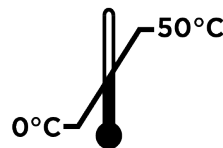
Necessary Tools

1 #2 Phillips screwdriver (magnetic screwdriver recommended)
2 ESD-protective wrist strap
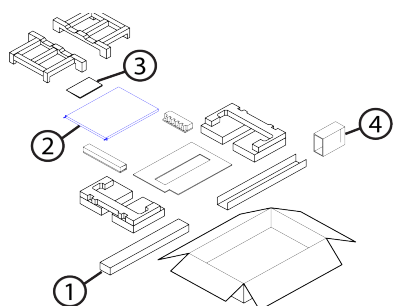
1 Prepare the Site

The installation site must meet the following requirements:

- Appropriately grounded power receptacles located within 1.8 m (6 ft.).
- A readily accessible device for disconnecting power, such as a breaker or master switch.
- Network cabling within reach.
- Up to at least 7.6 cm (3.0 in.) on all sides, for proper ventilation.
- Temperature between 0°C (32°F) and 50°C (122°F) -- or as noted in "Operating Temperature:"-- with fluctuations of less than 10°C (18°F) per hour.

50°C
0°C

2 Unpack the Box

Remove the packing material, and verify that all of the following components are included:

1 Rail kit
2 Switch
3 Manual
4 Accessory box

If the switch appears to be damaged, contact Extreme Networks. See "Getting Help" for more information.

Extreme Networks does not include power input cords with this product. To purchase the correct power cord for your country, refer to www.extremenetworks.com/product/powercords/.
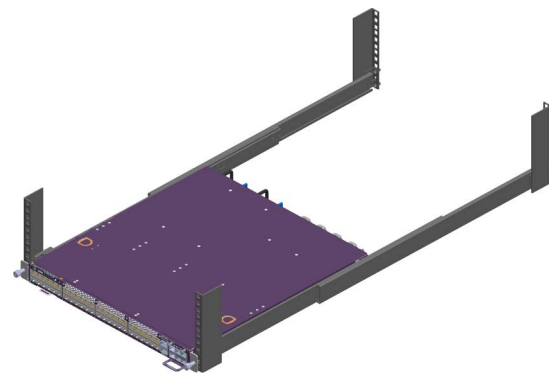
3 Install the 5720 Series

You can install any 5720 Series in a standard 19-inch equipment rack.

Four-Post Mount

This procedure uses the four-post mounting kit (XN-4P-RKMT302), which is included with your switch.
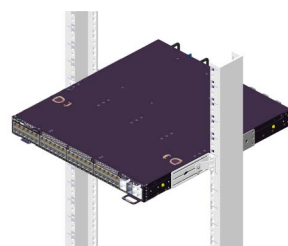
1. Separate the inner sliding rails from the outer rails by extending the rails and pulling on the disconnect latch. Note which direction the sliding rails slide from the outer rails for correct installation.
2. Attach the outer rail to the rack, securing it with the M5 screws.
3. Attach an inner rail to the side of the unit, using the M4 screws. .
- If using the 1U long rack ears (already attached to the inner rail): Ensure that the rack ear is flush with either the front or the rear panel of the unit and continue to step 4.
- If using the 1U or 2U short rack ears, attach one to the side of the unit using the #6-32 screws, so that the rack ear is flush with either the front or the rear panel of the unit.
4. Repeat steps 2 and 3 for the other side of the chassis.
5. Insert the chassis into the rail kit and secure it to the rack using the thumb screws on the mounting ears.

Two-Post, Mid-Mount

This procedure uses the two-post mounting kit (XN-2P-RKMT299), which is ordered separately.

1. Attach a mounting bracket to each side of the switch. You can attach the brackets at the middle of the switch, as shown, or at the front.
2. Secure the brackets to the rack posts, using rack-mounting screws that are appropriate for the rack (not provided).
3. Attach a mounting bracket to one side of the switch, so that its flange (ear) aligns with the rack post. Then secure it to the rack post.
4. Attach a mounting bracket to the other side of the switch and then to the rack post.

4 Install VIMs, Transceivers, and SSDs

(**Optional**) Versatile Interface Modules (VIM) provide dedicated high-speed ports. The 5720 Series accommodates one VIM module, using the slot on the front of the switch.

(**Optional**) Transceivers send and receive data over optical fiber rather than through electrical wires. Insert transceivers into any of the switch's data ports.

Optional) Solid-state drives (SSDs) provide modular storage support. The 5720 Series switch accommodates one SSD module using a reserved slot on the rear of the switch.

VIMs, transceivers, and SSDs are ordered separately

Warning: To prevent damage to the switch or VIM, the switch must be powered OFF when removing or installing a VIM.

To install a VIM module:
1. Attach the ESD wrist strap to your wrist and connect the metal end to an appropriate ground point on the rack.
2. Ensure that the switch is completely turned off.
3. Unscrew the captive screws by hand to remove the VIM cover plate.
4. Remove the VIM module from its packaging.
5. Carefully slide the VIM module into the slot until it is firmly in place.
6. Secure the VIM module using the captive screws on the cover plate.

To install a transceiver:

Note: Transceivers can be Class 1 or Class 1M laser devices.

1. Attach the ESD wrist strap to your wrist and connect the metal end to an appropriate ground point on the rack.
2. Remove the transceiver from its packaging.
3. If applicable, remove the protective dust cover from the connector.
4. Hold the transceiver so that the connector seats properly.
5. Carefully align the transceiver with the port slot.
6. Push the transceiver into the port slot until it clicks into place.

Note: A small flat-blade screwdriver can be used to free an obstructed bale clasp on an optical module.

To install an SSD module:
1. Attach the ESD wrist strap to your wrist and connect the metal end to an appropriate ground point on the rack.
2. Ensure that the switch is completely powered down.
3. Remove the cover plate from the SSD slot (#2 Phillips screwdriver required).
4. Remove the SSD module from its packaging.
5. Carefully slide the SSD module into the slot on the rear panel until it is firmly in place.
6. Secure the SSD module using the screws provided.

5 Connect Power

5720 Series switches run on AC power.

Connect the switch to a primary power source.

Note: Installing the system as described in this guide meets the protective earth grounding requirements of the National Electrical Code (NEC), UL/CSA/IEC/EN 60950-1 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 grounding lug on the chassis and a nearby building ground point.

Connect to the Primary Power Source
To attach your 5720 Series to a power source, do the following:
1. Connect the AC power cord to the AC power input socket on the power supply and an AC power outlet.
2. When power is connected, verify that the switch's PWR LED turns green. If the PWR LED does not turn green, refer to *5720 Hardware Installation Guide* for troubleshooting information.

6 Update and Configure the Switch

Switch Engine is the default operating system (OS) for the 5720 Series. You can change the switch OS from the Bootloader Menu on initial activation only. See *ExtremeSwitching 5720 Hardware Installation Guide* for all OS selection and upgrade procedures.

To change the switch OS via the Bootloader Menu:
1. Connect the switch to a console with a baudrate of 115200.
2. Once the switch is powered or reset, press the **spacebar** key within 30 seconds after seeing the "5720 Boot Menu" screen to activate the Bootloader Menu.
3. Use the **down-arrow** key to select **Change the switch OS to Fabric Engine**, then select **Enter**.
4. The switch will install Fabric Engine, then reset.

Safety Notices

Caution! Shock hazard! Disconnect all power inputs before servicing.

Electrical Hazard: Only qualified instructed or skilled personnel should perform installation, repair, or disassembly procedures.
Risques d'électrocution: Seul un personnel qualifié ou expérimenté peut effectuer les procédures d'installation, de réparation ou de démontage.
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: Les alimentations d'Extreme Networks n'ont pas d'interrupteurs pour allumer ou éteindre l'appareil. 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: This equipment is designed for installation in restricted access locations and suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75, not suitable for use in locations where children are likely to be present.
Avertissement: Cet équipement est conçu pour être installé dans des endroits à accès restreint et peut être installé dans des salles informatiques conformément à l'article 645 du Code national de l'électricité et à la norme NFPA 75, et ne peut être installé dans des endroits où des enfants sont susceptibles d'être présents.

Warning: A dedicated Listed circuit breaker rated at 15A is to be used for each power supply connection.
Avertissement: Un disjoncteur certifié 15A et dédié à l'installation doit être utilisé pour chaque connexion d'alimentation.
Caution: Before mounting the device, ensure that the rack can support it without compromising stability. Otherwise, personal injury or equipment damage may result.
Caution: Follow appropriate ESD procedures when unpacking and handling the switch. These include unpacking the switch in an ESD-safe environment and wearing appropriate ESD protective gear, such as ESD-safe footwear and ESD wrist straps where appropriate.
Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
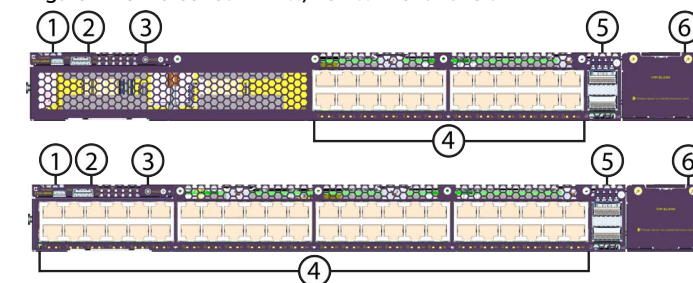**Warning:** Do not use optical instruments to view the laser output. The use of optical instruments to view laser output increases eye hazard. Use only UL/CSA, IEC/EN60825-1/-2 recognized pluggable modules.
Avertissement: Ne pas utiliser d'instruments optiques pour mesurer la puissance laser. L'utilisation d'instruments optiques pour mesurer la puissance laser peut augmenter les risques de dommages oculaires. Utilisez uniquement des modules certifiés UL/CSA, IEC/EN60825-1 /-2.
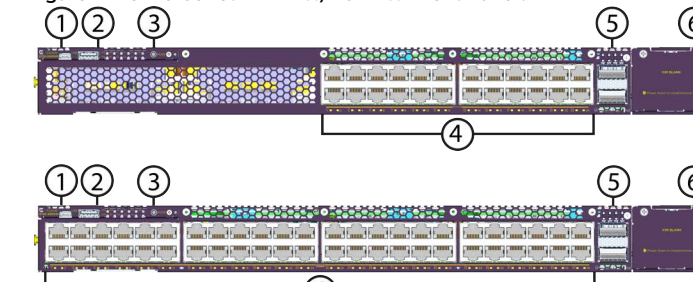
Hardware Components

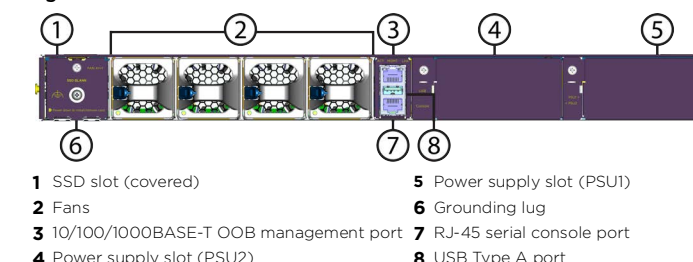**Figure 1   5720 Series: 24MW/48MW Front Panels**

1 Micro-B USB console port
2 USB Type A port
3 Mode button
4 1/2.5/5GbaseT 802.3bt ports
5 QSFP28 Universal/stacking ports
6 VIM slot (covered)

Figure 2   5720 Series: 24MXW/48MXW Front Panels

1 Micro-B USB console port
2 USB Type A port
3 Mode button
4 1/2.5/5/10GbaseT 802.3bt ports
5 QSFP28 Universal/stacking ports
6 VIM slot (covered)

Figure 3   5720 Series: Rear Panel of All Models

1 SSD slot (covered)
2 Fans
3 10/100/1000BASE-T OOB management port
4 Power supply slot (PSU2)
5 Power supply slot (PSU1)
6 Grounding lug
7 RJ-45 serial console port
8 USB Type A port

For component details, see *ExtremeSwitching 5720 Hardware Installation Guide.*

Operating Conditions

Operating Temperature:
0°C (32°F) to 50°C (122°F)
Temperature restrictions apply for some models at high altitudes. See *5720 Hardware Installation Guide* for details.
Storage Temperature:
-40°C to 70°C (-40°F to 158°F)
Operating Relative Humidity:
5% to 95% (non-condensing)

Interfaces

Each 5720 Series includes a Micro-B USB console port, a 10/100/1000BASE-T out-of-band management port, an RJ-45 serial console port, 2 stacking Universal Ethernet QSFP28 ports, 2 USB A ports for management or external USB flash, and a four-post rack mount kit.

5720 Series factory switches are pre-loaded with both Switch Engine and Fabric Engine OSs. The following table lists the specific interfaces for each switch.

5720-24MW	24 1/2.5/5GbaseT 802.3bt (90W) full/half duplex MACsec capable ports, 1 unpopulated VIM slot, 4 fan modules, 2 unpopulated PSU slots
5720-24MXW	24 1/2.5/5/10GbaseT 802.3bt (90W) full/half duplex MACsec capable ports with 802.3bt Type 4 PoE (90W), 1 unpopulated VIM slot, 4 fan modules, 2 unpopulated PSU slots
5720-48MW	48 1/2.5/5GbaseT 802.3bt (90W) full/half duplex MACsec capable ports, 1 unpopulated VIM slot, 4 fan modules, 2 unpopulated PSU slots
5720-48MXW	48 1/2.5/5/10GbaseT 802.3bt (90W) full/half duplex MACsec capable ports with 802.3bt Type 4 PoE (90 W), 1 unpopulated VIM slot, 4 fan modules, 2 unpopulated PSU slots

Power Supply and Fan Options

715W AC PoE power supply (XN-ACPWR-715W-FB)	Front-to-back airflow
1100W AC PoE power supply (XN-ACPWR-1100W-FB)	Front-to-back airflow
2000W AC PoE power supply (XN-ACPWR-2000W-FB)	Front-to-back airflow
Spare fan module (XN-FAN-005-F)	Spare fan module, Front-to-back airflow

Available VIM Modules

5720-VIM-2CE	Versatile Interface Module with 2 100GbE QSFP28 ports, MACsec capable
5720-VIM-6YE	Versatile Interface Module with 6 25GbE SFP28 ports, MACsec capable

Available SSD Module

XN-SSD-002-120	120GB Solid-State Drive (SSD) module for use with Integrated Application Hosting

Available Rack-Mount Kits

XN-4P-RKMT302	Four-post fixed rack mount kit, included with the switch
XN-2P-RKMT299	Two-post fixed rack mount kit

Getting Help

For additional support related to 5720 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

Legal Notices

Trademarks

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 dicté par le Ministère des Communications du Canada.

Class A ITE Notice

WARNING: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Product Safety

This product complies with the following international safety standards:

- UL 62368-1
- UL 60950-1
- CAN/CSA C22.2 No. 62368-1-14
- CAN/CSA C22.2 No. 60950-1-07
- IEC 62368-1
- IEC 60950-1
- EN 62368-1
- EN 60950-1
- 2014/35/EU
- CNS 14336-1
- GB 4943.1

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
- IEC/EN 60825-1, IEC/EN 60825-2 or later, European Standard

Korea EMC Statement

이 기기는 업무용 환경에서 사용할 목적으로 적

합성평가를 받은 기기로서 가정용 환경에서 사

용하는 경우 전파간섭의 우려가 있습니다.

Australia (RCM)/European Union (CE)/United Kingdom (UKCA)

WARNING: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Electromagnetic Compatibility (EMC)

This product complies with the following: FCC 47 CFR Part 15 Subpart B Class A (US), ICES-003 (Canada), EN 55032 (ITE Emissions), EN 55035 (ITE Immunity), EN 61000-3-2 (Harmonics), EN 61000-3-3 (Flicker), 2014/30/EU (EMC Directive), Electromagnetic Compatibility Regulations 2016 (S.I. 2016/1091), EN 300 386 (Telecom), 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), and CQC (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機器です。この装置を住宅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.

Taiwan BSMI 報關義務人

申請人: 愛爾蘭商極進網絡技術行動有限公司台灣分公司

地址: 臺北市松山區南京東路 4 段 126 號 5 樓

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。

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.
Avertissement: 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 risque d'explosion si la pile est remplacée par un type de pile incorrect. Eliminez 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):

1. The symbol above indicates that separate collection of electrical and electronic equipment is required.
2. 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.
3. 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.
4. 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

5720 Series

Quick Reference

5720-24MW
5720-24MXW
5720-48MW
5720-48MXW

ExtremeCloud IQ

Scan to learn more about **ExtremeCloud IQ™** and **ExtremeCloud IQ™ - Site Engine**.

Your new switch can be managed by ExtremeCloud IQ if cloud management is preferred as well as ExtremeCloud IQ - Site Engine if locally deployed management is preferred.

Read Me First - Switch OS Selection

Scan for instructions to choose your preferred switch OS on the Universal Switch.

Extreme®