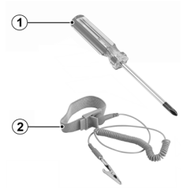
V300 Virtual Port Extender Quick Reference

Follow these steps to get your port extender ready for use.

For complete installation instructions, see *EXOS30 Hardware Installation Guide* at www.extremenetworks.com/documentation

Necessary Tools

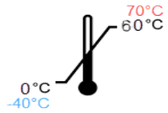


1. M3.5 or M4 #2 Phillips screwdriver (magnetic screwdriver recommended)
2. ESD (Electrostatic Discharge) wrist strap

1 Prepare the Site

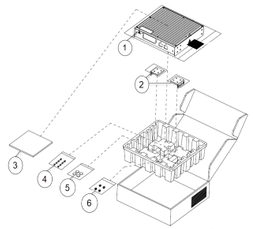
The installation site must meet the following requirements:

- Network cabling within reach
- Clearance of at least 7.6 cm (3.0 in.) on all sides, for proper ventilation
- Temperature between -40 or 0°C (-40 or 32°F) and 50 or 70°C (140 or 158°F) depending on model with fluctuations of less than 10°C (18°F) per hour



2 Unpack the Box

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



1. V300 Virtual Port Extender
2. Short mounting brackets
3. Quick Reference
4. Flat head screws for attaching brackets
5. Rubber feet
6. Pan head screws provided for VESA mounting

If the port extender appears to be damaged, contact Extreme Networks. See "Accessories" 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/. This page lists details for purchasing a power cord from Extreme Networks or from your local supplier.

3 Install the Port Extender

Typical installations for the V300 include wall, under table, or table surface installations, as well as VESA mounting.

See *EXOS30 Hardware Installation Guide* for instructions on mechanical mounting of the PSUs to V300 models.

Mounting the V300 on a Wall

Pre-installation checklist:

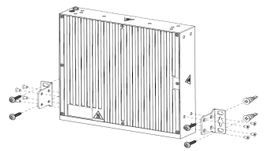
- The mounting surface, item, and hardware must be able to support the extender in all environmental conditions.
- The mounting surface must be flat.

Note: All mounting screws are M4 with #2 Phillips head

Note: Mounting the extender to a wall or under a table requires short brackets and an M3.5, #2 Phillips screwdriver

There are several orientations for installation on a wall. See *EXOS30 Hardware Installation Guide* for all options.

1 Using mounting screws, install the short bracket onto a wall:
   a Orient the port extender with the front panel facing down.
   b Attach the two short brackets to the extender by 4 wood screws and 4 anchors, provided in the accessory kit.

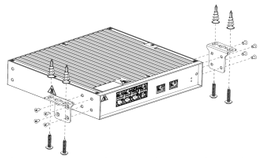


   c Attach the short brackets to both sides of the extender.
   d Use the optional short bracket as a template and mark the holes to be used. Extreme recommends using 2 holes per short bracket ear.
   e Drill the holes and attach the bracket using the provided anchors and screws.
2 Connect the LAN/Ethernet cables to the extender.

Mounting the V300 Under a Table

There are several orientations for installation under a table. See *EXOS30 Hardware Installation Guide* for all options.

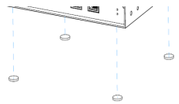
1 Attach the short mounting brackets (included) to the sides of the port extender using 4 mounting screws (included) for each bracket.



2 Secure the virtual port extender to the underside of the table using the provided 4 anchors and 4 wood screws.

Placing the V300 Onto a Table

The V300 Virtual Port Extender can be placed onto a table or other flat surface:



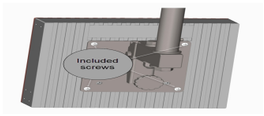
1 Attach the rubber feet (included) to the underside of the virtual port extender.
2 Place the virtual port extender on the table or flat surface.

VESA Mounting

Note: VESA mounting, rack mounting, and DIN Rail mounting require an M4, #2 Phillips screwdriver

The VESA mount comes with 4 screws and should be used when mounting the V300 model to a VESA mount for 75mm x 75mm or 35mm x 75mm mounting dimensions.

Use the included 4 screws with the VESA mount:



4 Install Transceivers

(**Optional**) Transceivers can send and receive data over optical fiber rather than through electrical wires. This installation procedure applies to all transceivers.

Note: Transceivers are 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 post 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 will seat properly.
5 Carefully align the transceiver with the port slot.
6 Push the transceiver into the port slot until it clicks into place.

5 Connect Power

V300-8P/8T-2X run on AC power with included PSU

V300HT-8P/8T can run on RPS; PSUs sold separately

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 grounding lug on the chassis and a nearby building ground point.

Connecting to the Primary Power Source

To attach the V300 switch to a power source, do the following:
1 Connect the PSU to the V300 with the integrated power cable.
2 Connect the AC power cord to the AC power input socket on the power supply and plug the other end into an AC power outlet.

To attach the V300HT model to a power source, do the following:
1 Connect the PSU to the included screw terminal connector (use adequate AWG wire for DIN PSUs).
2 Plug the screw terminal connector into the port extender DC input (PSU1 recommended)
3 Connect the:
   AC power cord to the AC power input socket on the PSU and plug the other end into an AC power outlet for non-DIN PSUs; or
   Connect the PSU to an AC power source using the instructions included with the PSU for DIN PSUs

Connecting to a Redundant Power Supply

To attach the port extender (HT models only) to an RPS:
1 Connect the RPS to the included screw terminal connector (use adequate AWG wire for DIN PSUs).
2 Plug the screw terminal connector into the port extender DC input (PSU2 recommended).
3 Connect the:
   AC power cord to the AC power input socket on the PSU and plug the other end into an AC power outlet for non-DIN PSUs; or
   Connect the PSU to an AC power source using the instructions included with the PSU for DIN PSUs

When power is connected, verify that the PWR LED on the switch turns green. If the PWR LED does not turn green, refer to *EXOS30 Hardware Installation Guide* for troubleshooting information.

6 Activate the Port Extender

To activate the port extender:

1 Enable VPEX on a supported switch. Refer to the *ExtremeXOS User Guide* for details.
2 Attach the port extender to a 10 Gb SFP+ port on the switch.

Safety Notices

Electrical Hazard: Only qualified instructed or skilled personnel should perform installation, repair, or disassembly procedures.
Risques d'électrocution: Seul un personnel qualifié ou qualifié doit 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: 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: 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, ne pouvant être utilisé 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 cotée dédiée évalué à 15A doit être utilisée pour chaque connexion d'alimentation.
Caution: Before mounting the device, ensure that the mounting location can support it without compromising stability. Otherwise, personal injury or equipment damage may result.
Caution: Follow appropriate ESD procedures when unpacking and handling the device. These include unpacking the device in an ESD-safe environment and wearing appropriate ESD protective gear, such as ESD-safe footwear and ESD wrist straps where appropriate.

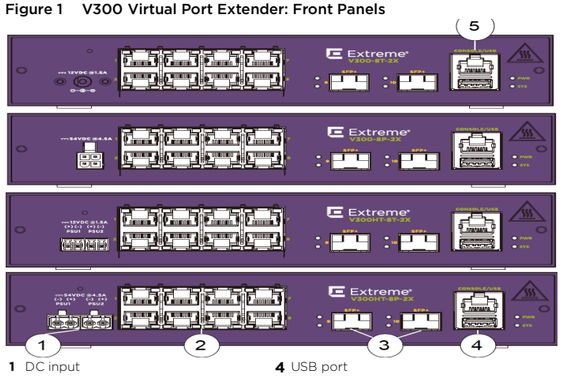
Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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 voir la sortie du laser. L'utilisation de instruments optiques pour afficher la sortie laser augmente les risques oculaires. Utilisez uniquement UL/CSA, IEC/EN60825-1 /-2 reconnu modules enfichables.

Hardware Components

Figure 1 V300 Virtual Port Extender: Front Panels



1. DC input
2. 10/100/1000BASE-T ports
3. 10Gb SFP+ ports
4. USB port
5. Console/Management port

Figure 2 V300 Virtual Port Extender: Rear Panel

Operating Conditions

Operating Temperature:
0°C (32°F) to 50°C (122°F) for V300-8T/8P-2X models
-40°C (-40°F) to 70°C (158°F) for V300HT models
Storage Temperature:
-40°C to 70°C (-40°F to 158°F)
Operating Relative Humidity:
10% to 95% (non-condensing)
Operating Altitude:
0 to 3,000 meters

Interfaces

Each V300 Virtual Port Extender has a console port and a USB port. The following table lists the specific interfaces for each port extender.

V300-8T-2X	8 10/100/1000BASE-T half/full duplex ports, 2 SFP+ ports, fanless
V300-8P-2X	8 10/100/1000BASE-T half/full duplex PoE+ ports, 2 SFP+ ports, fanless
V300HT-8T-2X	8 10/100/1000BASE-T half/full duplex ports, 2 SFP+ ports, high temperature model, fanless
V300HT-8P-2X	8 10/100/1000BASE-T half/full duplex PoE+ ports, 2 SFP+ ports, high temperature model, fanless

Power Specifications

V300-8T-2X	DC Input: 12VDC, 1.5A max
V300-8P-2X	DC Input: 54VDC, 4.5A max
V300HT-8T-2X	DC Input: 12VDC, 1.5A max
V300HT-8P-2X	DC Input: 54VDC, 4.5A max

Table 1 Power Supplies

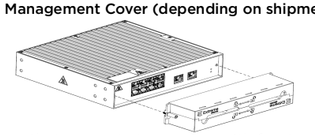
Power Supply	Description	Compliant SKU
XN-ACPWR-40W	V300-8T-2X 40W AC PS FRU	V300-8T-2X
XN-ACPWR-40W-HT	V300HT-8T-2X 40W AC PS HIGH TEMP	V300HT-8T-2X
XN-ACPWR-60W-HT-DIN	V300HT-8T-2X 60W AC PS HIGH TEMP DIN	
XN-ACPWR-280W	V300-8P-2X 280W AC PS FRU	V300-8P-2X
XN-ACPWR-320W-HT	V300HT-8P-2X 320W AC PS HIGH TEMP	V300HT-8P-2X
16807	IS AC-DC PS 240W	

Table 2 Additional Available Mounting Kits

XN-2P-RMTKIT-2CS-001	Dual-rack mount kit for 2 units side-by-side in a 19" mount
XN-2P-RMTKIT-1CS-001	Single-rack mount kit for single unit in 19" rack
XN-DIN-MT-001	DIN Rail Mount Kit
XN-MTKIT-CS-001	Mounting Kit Field Replacement Unit

Accessories

Figure 3 Cable Management Cover (depending on shipment)



- Protective cover that prevents tampering with front panel connections. Includes two screws with Torx head, T8.

Getting Help

For additional support related to the V300 Virtual Port Extender or to 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

Extreme 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

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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 the V300 Virtual Port Extender is located online at:

www.extremenetworks.com/support/policies/

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 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 60950-1 2nd edition, A2:2014
- UL 62368-1 2nd Ed. 2014-12-01
- CAN/CSA-C22.2 No.60950-1-07 2nd Ed. 2014-10
- IEC 60950-1:2005 2nd+A1:2009+A2:2013
- IEC/EN 62368-1 2nd
- EN 6238-1:2014/A11:2017
- EN 60950-1:2006+A11+A1+A12+A2
- 2014/35/EU
- CNS 14336-1

CAUTION
Hot surface
Do not touch

Warning: The V300 virtual port extender may be hot to the touch during normal operation.

Attention: Le V300 peut être chaude au toucher pendant le fonctionnement normal.

Warning: The V300 virtual port extender is designed for installation in restricted access locations.

Attention: Le V300 est 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 Laser Product
- FCC 21 CFR Chapter 1, Sub-chapter J in accordance with FDA & CDRH requirements
- IEC/EN 60825-1:2007, IEC/EN 60825-2:2004+A1+A2 or later, European Standard
- Application of CE Mark in accordance with 2014/30/EU EMC Directive and 2014/35/EU Low Voltage Directive
- 47 CFR Part 15, Class A when installed into Extreme products

Korea EMC Statement

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

Australia (RCM)

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/ CISPR 35 (Multimedia), EN 55024 (ITE Immunity), EN 61000-3-2 (Harmonics), EN 61000-3-3 (Flicker), 2014/30/EU (EMC Directive), EN 300 386 (Telecom), RCM (Australia), VCCI (Japan), MSIP KCC (Korea), BSMI (Taiwan), ANATEL (Brazil), CCC (China), NRCS (South Africa).

Industrial Standards for High Temperature Models

EN 55081-2, EN 55082-2, CISPR 11, EN 61326-1, EN 61000-6-1, EN 61000-6-2, EN 61000-6-4, EN 61000-6-5, EN 50121-4, EN 50121-3-2, EN 62236-4, IEC 60533, UL 508, UL 61010-1, UL/CUL 60079 CLASS 1 Div 2

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.

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。

Taiwan BSMI 報關義務人

申請人: 香港商極進網路有限公司台灣分公司

地址: 臺北市松山區復勢里南京東路 4 段 126 號 5 樓

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。

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

ExtremeSwitching V300 Virtual Port Extender

Quick Reference

V300-8T-2X
V300-8P-2X
V300HT-8T-2X
V300HT-8P-2X

P/N 9036532-00 Rev. 02

Extreme®