

ExtremeCloudTM Appliance E1120

Installation Guide



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For product documentation online, visit: <https://www.extremenetworks.com/documentation/>

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1 Overview

Package Contents System Status LED Indicator Codes

The ExtremeCloud Appliance E1120 is a low-end hardware controller that provides expandable management of upto 250 Standalone Access Points with upto 2000 users.

These installation instructions provide a general outline to install and configure the E1120 ExtremeCloud Appliance.

Package Contents

An E1120 Appliance ships with the following:

- E1120 Cloud Appliance
- Two Mounting Brackets
- Six bracket mount screws
- Console cable
- E1120 Quick Reference Guide



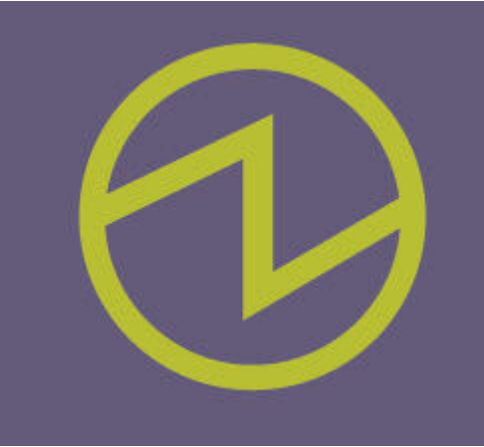


Note

The E1120 appliance does not include an AC power cord. To purchase the correct power cord for your location, refer to <http://www.extremenetworks.com/product/powercords/>.

System Status LED Indicator Codes

Power/Status/HDD LEDs icons on the front panel of the E1120 provide critical information including network and hard drive activity, and whether power is present. Refer to the table for descriptions of the LEDs functions.

Table 1: Power/Status/HDD/LEDs

LED	Function
	Power: When this LED is on, it indicates power is supplied to the E1120 power supply unit. This LED should be illuminated when the system is operating.
	Status: When lit Green, it indicates operational state is normal. When lit Amber, it indicates a system malfunction.
	Hardisk (HDD): When this LED flashes, it indicates hard drive activity. Otherwise, the LED remains off.

2 Hardware Installation

Mounting the E1120 Appliance Connecting E1120 to Power

To prepare for the installation of E1120:

- 1 Match the model number on the purchase order with the model numbers in the packing list and on the E1120 appliance.
- 2 Verify the contents of the box include the E1120 and the included hardware matches the package contents.

Table 2: E1120 Product Information

Part Number	Description
30137	E1120 Appliance. Expandable management of upto 250 managed devices.

Mounting the E1120 Appliance



Caution

An anti-static wrist strap is required to perform the following procedures to minimize ESD damage to the devices involved.

The E1120 Appliance can be mounted on a rack or a table.



Danger

Only qualified personnel should perform installation procedures.

To mount the E1120 Appliance onto a rack:

- 1 Align the holes (three on each side) of the E1120 with the thru holes of each bracket (one on each side) and tighten six screws.

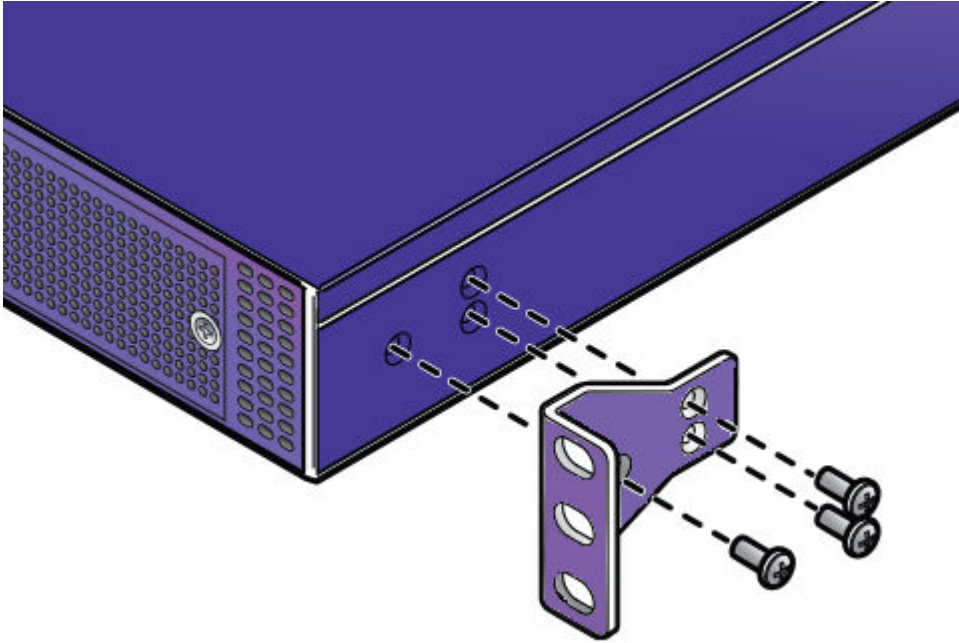


Figure 1: Attaching Brackets to the E1120 Appliance

- 2 Insert the rack mounting screws into the thru holes in the front of the E1120 bracket (three on each side) and through the holes in the rack.

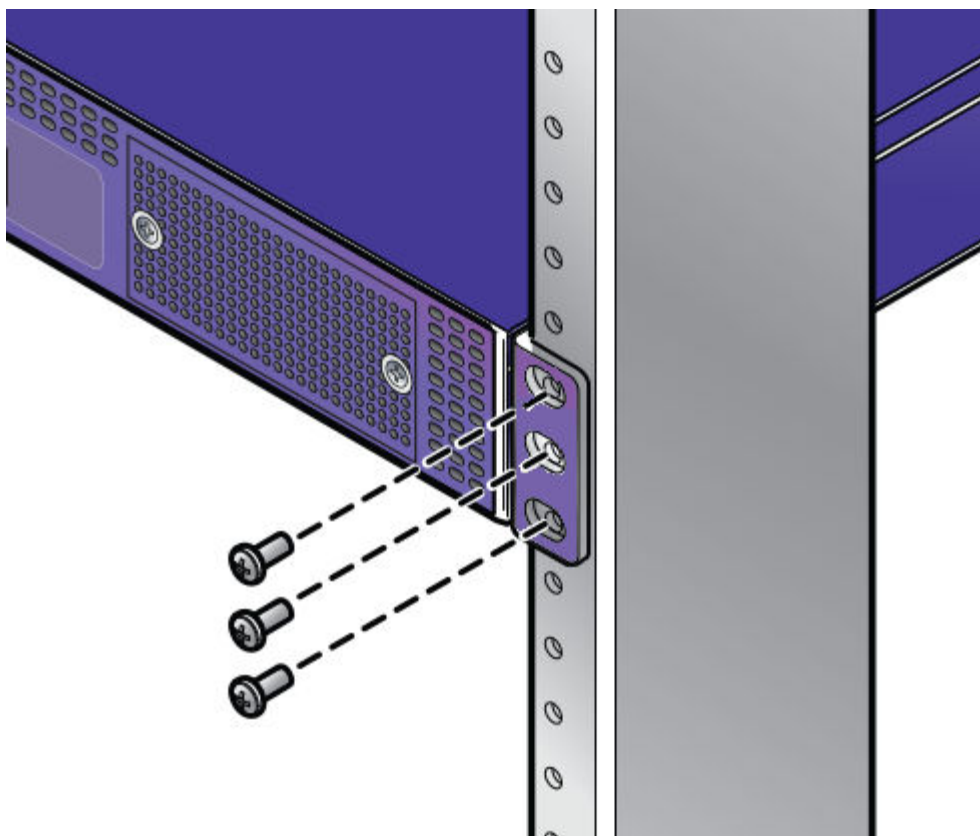


Figure 2: Rack Mounting the E1120 Appliance



Note

The E1120 appliance does not include screws for mounting the unit to the rack. Please use screws appropriate to your rack on each side when securing the appliance to the rack.

- 3 If you are installing the appliance on a table, ensure at least 6 cm (2.4") of clearance on all sides of the appliance for proper ventilation.

Connecting E1120 to Power

To power up the E1120 Appliance:

- 1 Connect the AC power cord (must be ordered separately) to the power supply. (E1120 Back Panel, item 4).

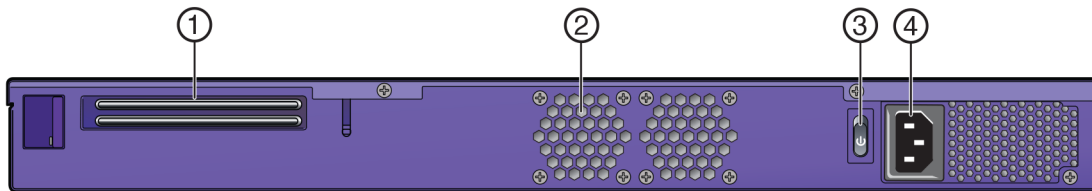


Figure 3: E1120 Back Panel

1	Not used	3	Power Switch
2	CPU-Fan	4	AC Power Socket

- 2 Plug the other end of the cable into a grounded electrical outlet or to a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).
- 3 Connect your laptop computer with a browser to the console port (E1120 Front Panel, item 6).

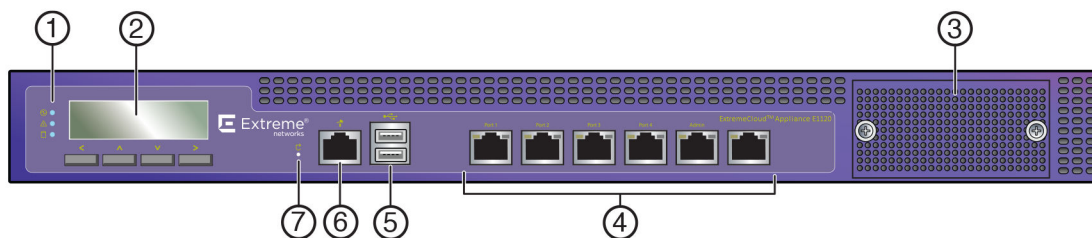


Figure 4: E1120 Front Panel

1	System Status LEDs (see Power/Status/HDD LEDs table)	5	USB Ports (2 x USB 2.0)
2	LCD System Panel with Keypad	6	Console Port
3	Not used	7	Reset Switch
4	Ethernet Ports (see E1120 Ethernet Ports)		

- 4 Power on the appliance. The power switch is on the back panel ([E1120 Back Panel, item 3](#)).

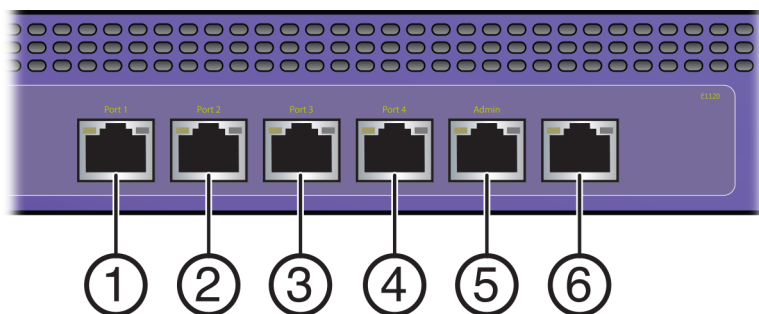


Figure 5: E1120 Ethernet Ports

1	Data Port 1: 1GbE	4	Data Port 4: 1GbE
2	Data Port 2: 1GbE	5	Mgmt Port: 1GbE Admin
3	Data Port 3: 1GbE	6	Not used, plugged

3 Initial Network Connection and Configuration

Configuring the Management Interface via Console Port
Configuring the Management Interface via Management Port

Configuring the Management Interface via Console Port



Note

The E1120 must be upgraded to the latest ExtremeCloud Appliance firmware before installing the appliance on the network.

- 1 Connect the laptop serial port to the appliance console port through the provided console cable. If the laptop does not support RS232 interface then obtain a USB to RS232 converter cable which then connects to the RJ45-DB9F cable.
- 2 Using PuTTY, TeraTerm, or other terminal emulator, connect to the serial port connection. Be sure that your serial connection is set properly:
 - 115200 baud
 - 8 data bits
 - 1 stop bit
 - Parity none
 - Flow control none
- 3 Using the console session, perform the following:
 - 1 At the password prompt, enter user: `admin`
 - 2 For the initial password, enter: `abc123`
 - 3 Press **ENTER**.
- 4 Read the configuration script paragraph carefully. The configuration script will walk you through configuring the following:
 - Admin Password
 - Host Attributes Settings
 - Time Settings
 - SNMP Settings
 - Data Plane Settings
- 5 At the end of each session, if you enter `Yes`, then it will move to the next session. If you answer `No`, the session configuration is repeated.
- 6 Press **ENTER**.
- 7 The **Appliance Post Installation Configuration Menu** pops up right after the last session is applied. Enter `6` to apply settings and exit or other number for repeating the setup.

- 8 Connect to a port on which management access was enabled during the CLI Wizard Setup.
- 9 Launch your web browser and in the browser address bar, type: `https://Your_Mgmt_Ipaddress:5825`. The ExtremeCloud Appliance's logon screen is displayed.
- 10 On the logon screen, enter the `Username` and `Password` that was created when setting up the installation wizard.

**Note**

An installation wizard is available to help configure the E1120 for new deployments. Refer to the [Extreme Cloud Appliance User Guide](#) in the documentation support site for more information.

Configuring the Management Interface via Management Port

**Note**

The E1120 must be upgraded to the latest ExtremeCloud Appliance firmware before installing the appliance on the network.

- 1 Connect the laptop to the management port of the appliance.
- 2 Configure the Ethernet port of the laptop with a statically assigned unused IP address in the 192.168.10.0/24 subnet.
- 3 Launch your Web browser and in the browser address bar, type `https://192.168.10.1:5825` (192.168.10.1 is the default IP address on the appliance's management port). The ExtremeCloud Appliance's logon screen is displayed.
- 4 On the ExtremeCloud Appliance's logon screen, enter the following:
 - 1 User name: enter `admin`
 - 2 Password: enter `abc123`
 - 3 Click **Login**.
- 5 Complete the installation to configure the E1120 for new deployments.
- 6 Disconnect your laptop from the appliance's management port.
- 7 Connect the appliance's management port to the enterprise Ethernet LAN.
- 8 Log on to Extreme Networks.

**Note**

The system is now visible to the enterprise network. Refer to the [Extreme Cloud Appliance User Guide](#) in the documentation support site for more information.

4 E1120 Specifications

Physical Specifications

Dimensions	<ul style="list-style-type: none">• Height: 44 mm (1.732")• Width: 431 mm (16.969")• Depth: 305 mm (12.008")
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Environmental Specifications

Operating Temperature	5°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating relative humidity	0% to 95% (non-condensing)

Power Supply Specifications

Fixed power supply with front-to-back airflow.FSP150-50LE	
FSP150-50LE	100-240Vac, 50-60Hz, 4-2A Max. Output Power: 150W

5 Regulatory Information

FCC Notice (Part 15 - Class A)
Industry Canada Notice
Product Safety
Korea EMC Statement
Electromagnetic Compatibility (EMC)
Japan (VCCI) - Voluntary Control Council for Interference Class A ITE
BSMI EMC Statement - Taiwan
Battery Warning - Taiwan
Battery Information
Supplement to Product Instructions
Hazardous Substances
Waste Electrical and Electronic Equipment
Safety Compliance

FCC Notice (Part 15 - Class A)

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

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.

Klasse A ITE Anmerkung



Warning

WARNHINWEIS: Dieses Produkt zählt zur Klasse A (Industriebereich). In Wohnbereichen kann es hierdurch zu Funkstörungen kommen, daher sollten angemessene Vorkehrungen zum Schutz getroffen werden.

Product Safety

This product complies with the following: UL 60950-1, FDA 21 CFR 1040.10 and 1040.11, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, EN 60825-1, EN 60825-2, IEC 60950-1, 2006/95/EC.

Produktsicherheit

Dieses Produkt entspricht den folgenden Richtlinien: UL 60950-1, FDA 21 CFR 1040.10 and 1040.11, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, EN 60825-1, EN 60825-2, IEC 60950-1, 2006/95/EC.

Korea EMC Statement

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의 하시기 바라며, 가정 외의 지역에서 사용하는 것을 목적으로 합니다.

Electromagnetic Compatibility (EMC)

This product complies with the following: FCC 47 CFR Part 15 (Class A), ICES-003 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22 (Class A), VCCI V-3, 2004/108/EC (EMC Directive)

Elektro-magnetische Kompatibilität (EMC)

Dieses Produkt entspricht den folgenden Richtlinien: FCC 47 CFR Part 15 (Class A), ICES-003 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22 (Class A), VCCI V-3, 2004/108/EC (EMC Directive)

Japan (VCCI) - Voluntary Control Council for Interference Class A ITE

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、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラス 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。

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：此為 A 級產品，在生活環境中，該產品可能會造成無線電干擾。在這種情況下，可能需要用戶對干擾採取切實可行的措施。

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 Information

**Caution**

Risk of explosion if battery is replaced by an incorrect type. Dispose of batteries according to instructions.

Use only approved batteries. Extreme Networks uses batteries designed and constructed to the highest standards within the industry.

However, there are limitations to how long a battery can operate or be stored before needing replacement. Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops.

When batteries are stored over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries at half of full charge in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, the charge level should be verified at least once a year and charged to half of full charge.

Replace the battery when a significant loss of run time is detected.

Standard warranty period for batteries is 30 days, regardless if the battery was purchased separately or included with the device.

Supplement to Product Instructions

产品说明书附件 SUPPLEMENT TO PRODUCT INSTRUCTIONS

部件名称 (Parts)	有毒有害物质或元素 (Hazardous Substance)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 (Metal Parts)	×	○	○	○	○	○
电路模块 (Circuit Modules)	×	○	○	○	○	○
电缆及电缆组件 (Cables & Cable Assemblies)	○	○	○	○	○	○
电源适配器/电源供应器 (Power Adapter/Power Supply)	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。
Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T 11363-2006 standard.

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。
Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T 11363-2006 standard.

对销售之日的所售产品, 本表显示, 激进供应链的电子息产品可能包含这些物质。注意: 在所售产品中可能会也可能不会含有所有所列的部件。
This table shows where these substances may be found in the supply chain of Extreme electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product.

除非另外特别的标注, 此标志为针对所涉及产品的环保使用期标志。某些零部件会有一个不同的环保使用期(例如, 电池单元模块)贴在其产品上。
此环保使用期限只适用于产品是在产品手册中所规定的条件下工作。
The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked. Certain parts may have a different EFUP (for example, battery modules) and so are marked to reflect such. The Environmentally Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.



Hazardous Substances

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.

Waste Electrical and Electronic Equipment



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 Environmental Compliance at Green@extremenetworks.com.

Safety Compliance

Compliant with IEC 60950-1:2005 (Second Edition); Am1:2009 + Am2:2013, EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013, UL 62950-1, 2nd Ed. 2011, CSA C22.2 No. 60950-1-07, 2nd Ed. 2011

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