

## Extreme Networks Universal Compute Platform Appliance 2130C

The 2130C appliance is an Universal Compute Platform cloud-based network appliance for medium



deployments, such as businesses, clinics or schools. It fits a 19-inch rack and features four data ports, and four USB ports, and two Inter-Cluster-Connect ports. For a complete installation and specifications guide, see [Extreme Networks Universal Compute Platform Appliance 2130C Installation Guide](#).



**Electrical Hazard:** Only qualified personnel should perform installation procedures.



**Note:** Wear an anti-static wrist strap when you handle the appliance so you don't damage the device or the components.

### Box Contents

Confirm that the following items shipped with your 2130C before you begin the installation:

- One (1) 2130C appliance
- Two (2) pre-installed redundant power supply units
- One (1) rail mount kit
- One (1) 2130C Regulatory and Compliance guide
- Four (4) rubber feet
- One (1) bag of rail mount screws

Contact your dealer if any items are damaged.

### Mount the Appliance

You can mount the appliance in a 19-inch rack using the rail mount kit included with the 2130C. You can also mount the appliance on a tabletop or shelf. Ensure at least 2.5 in (6 cm.) of clearance on all sides of the unit for proper ventilation.

### Replace a Power Supply Unit

The appliance ships with two power supply units (PSU) installed in the unit. But you can replace a PSU should a unit fail while under warranty. Contact the GTAC organization to arrange a replacement unit.

With two power supply units installed, the power load is distributed across both power supplies to maximize

efficiency.

When you remove one unit with the system powered

**On**, the power load is picked up by the other PSU.

To replace a PSU:

1. Detach the power supply cord from the PSU.
2. Grasp the PSU handle and pull.
3. As you pull the PSU, push the latching tab outward to disengage the PSU.
4. Insert the new PSU unit into the PSU bay.
5. Push the new PSU until it locks in place. It slides easily into the opening, but there is some resistance about the last 1/2 inch.
6. Re-connect the power supply cord.
7. The power supply unit LED should be green.



**Note:** The appliance requires one power supply to operate normally. Remove and replace only one power supply at a time in a system that is powered **On**.

### Connect a Power Supply

The power source is located in the back panel of the appliance and the power button is located in the front control panel.

To connect the appliance to a power source:

1. Connect the two AC power cables to power supplies 1 and 2. These two power supplies combine to create an optional redundant power supply.
2. Plug the other end of the cables into grounded electrical outlets or to separate power sources such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).
3. Power on the appliance. The power button is on the front control panel.

### Configure the Management Interface from the Console Port

Obtain a laptop with PuTTY, TeraTerm, or another terminal emulator installed on it. If the laptop does not support RS232 interface, then obtain a USB to RS232 converter cable, which connects to the Null Modem DB9 F-F (Female to Female) cable.

You also need the following information:

- Admin password
  - Host attributes settings
  - Time settings and DNS settings
  - Data plane settings
1. Connect the laptop serial port to the appliance console port
  2. Connect to the serial port connection with a terminal emulator. Ensure that your serial connection is set properly:
    - 115200 baud
    - 8 data bits
    - 1 stop bit
    - Parity none
    - Flow control none
  3. Enter the password in the console session when prompted. The default user is **admin** and the default password is **abc123**.
  4. Enter the following information when prompted:

- Admin password
  - Host attributes settings
  - Time settings
  - DNS settings
  - Data plane settings
5. Type **Yes** at the end of each session and move to the next session. If you type **No**, the session configuration options are repeated.
  6. Press **Enter**. The Appliance Post Installation Configuration Menu opens after the last session is applied.
  7. Do one of the following:
    - Enter **A** to apply settings and exit.
    - Enter a number to repeat the setup.
  8. Connect to a port that had management access enabled during the CLI Wizard Setup.
  9. Open a web browser and enter **https://Your\_Mgmt\_Ipaddress:5825** into the address bar. The Universal Compute Platform login screen opens.
  10. Enter **admin** and the credentials that were created when setting up the installation wizard.

### Configure the Management Interface from the Inter-Cluster-Connect Port

You will need a laptop.

You can retain the default IP address from the Inter-Cluster-Connect (ICC) interface if you do not connect the appliance to your enterprise network. If you connect the appliance to your network, follow these steps:

1. Connect a laptop to the appliance's ICC1 port.
2. Configure the Ethernet port of the laptop. Use a statically assigned unused IP address in the 192.168.10.0/24 subnet.
3. Enter **https://192.168.10.1:5825** into a web browser address bar. 192.168.10.1 is the default IP address on the appliance ICC1 port. The Universal Compute Platform Login screen opens.
4. Log on to Universal Compute Platform. The default user name is **admin** and the default password is **abc123**.
5. Complete the installation to configure the 2130C appliance for new deployments.
6. Disconnect your laptop from the appliance.
7. Connect the appliance ICC port to the enterprise Ethernet LAN.
8. Log on to Universal Compute Platform.

### Connect the Data Ports

The 2130C data ports 1 and 2 are 1/10 GbE RJ45 ports. Ensure that the device to be connected at the other end of the segment is powered **On**. To connect a twisted pair cabling:

1. Connect the twisted pair segment to the appliance by inserting the RJ45 connector on

the twisted pair segment into the desired RJ45 port.

2. Verify that a link exists by checking that the Activity Link LED is on (solid green or blinking green). If the Activity Link LED is off, perform the following steps until it is on:
  - a. Verify that the cabling being used is Category 5 or better (Category 6 or better for 10Gbps connection). The cable should have an impedance between 85 and 111 ohms and a maximum length of 328 feet (100 meters).
  - b. Verify that the device at the other end of the twisted pair segment is turned on and is properly connected to the segment.
  - c. Verify that the RJ45 connectors on the twisted pair segment have the proper pinouts, and check the cable for continuity.
3. If a link is not established, contact Extreme Networks.

### Install a Transceiver

Data ports 3 and 4 provide SFP28 ports that can support 1, 10, and 25Gbps transceivers. Refer to the transceivers and cables datasheet for a list of plug-



**Note:** If there is a protective dust cover on the transceiver connector, do not remove it at this time.

gable transceivers supported for 2130C.

To install a transceiver:

1. Attach an antistatic wrist strap to your wrist and remove the transceiver from its packaging.
2. Hold the transceiver so that the connector will seat properly.
3. Align the transceiver with the port slot.
4. Push the transceiver into the port slot until it clicks and locks into place.

### Connect Cables to Transceiver Ports

Data ports 3 and 4 provide SFP28 ports that can support 1, 10, and 25Gbps transceivers. Refer to the transceivers and cables datasheet for a list of plug-gable transceivers supported for 2130C.

To connect cables to transceiver ports:

1. Remove the protective covers from the transceiver and from the connectors on each end of the cable.
2. Insert the cable connector into the transceiver connector until it clicks into place.
3. Plug the other end of the cable into the appropriate port on the other device. Some fiber-optic cables may be terminated at the other end with two separate connectors, one for each fiber-optic strand. In this case, ensure that the transmit fiber-optic strand from the appliance is connected to the receive port of the other device, and the receive fiber-optic strand on the appliance is connected to the transmit port of the other device.
4. If a transceiver port is unused, install a dust cover.

## Ethernet Ports LED Information

The Inter-Cluster-Connect ports and data ports 1 and 2 include two LEDs located on either side of the port. For data ports 3 and 4 both LEDs are on the left side of the port. Use the information in the following tables to interpret the LED patterns.

**Table 1. RJ45 Port LEDs (Inter-Cluster-Connect 1 and 2)**

LED Type	LED Pattern	Status
Network speed (left)	Off	100 Mbps
	Solid amber	1,000 Mbps (1 Gbps)
	Solid green	10,000 Mbps (10 Gbps)
Link activity (right)	Off	No link
	Solid green	Active link
	Blinking green	Data traffic activity

**Table 2. RJ45 Port LEDs (Data Ports 1 and 2)**

LED Type	LED Pattern	Status
Network speed (right)	Solid amber	1,000 Mbps (1 Gbps)
	Solid green	10,000 Mbps (10 Gbps)
Link activity (left)	Off	No link
	Solid green	Active link
	Blinking green	Data traffic activity

**Table 3. SFP28 Port LEDs (Data Ports 3 and 4)**

LED Type	LED Pattern	Status
Network speed (right)	Solid amber	Less than 25,000 Mbps (25 Gbps)
	Solid green	25,000 Mbps (25 Gbps)
Link activity (left)	Off	No link
	Solid green	Active link
	Blinking green	Data traffic activity

## Power Supply Indicators

The power supply unit (PSU) is located at the back of the appliance. Each power supply has a single bi-color LED to indicate power supply unit status. Use the information in the following table to interpret the health of the power supply unit and the redundant power supply unit, if one is installed.

**Table 4. PSU LED Indicator Patterns**

Power Supply Condition	Green LED	Amber LED
No AC power to PSU	Off	Off
Power supply critical events causing a shutdown/failure/OCP/OVP/fan failure/OTP/UVP	Off	On

Power Supply Condition	Green LED	Amber LED
PSU warning events when the power supply continues to operate, high temperature, over voltage, under voltage, etc.	Off	Blinking at 1 Hz
AC present and only 12VSB On (PS Off)	Blinking at 1 Hz	Off
Output On and functioning	On	Off
AC cord unplugged and in redundant mode	Off	On

## Documentation

You can find product documentation at <https://support-docs.extremenetworks.com/support/documentation/>.

## Legal

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# Extreme Networks

Universal Compute

Platform 2130C  
QUICK INSTALLATION

## Scan to Download the ExtremeCloud IQ Companion Mobile Application

Commission, monitor, and troubleshoot devices easily with ExtremeCloud IQ Companion Mobile Application (supported on iOS and Android).

Use your mobile device camera to scan the serial number, capture installation images, assign or change device location, and network policy. The ExtremeCloud IQ Companion Mobile Application enables you to access the device CLI for troubleshooting and view device and client status.



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