



S9620-40DG

Open Aggregation Router

Hardware Installation Guide

R1.3





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1 Overview

The S9620-40DG is a high-capacity router purpose-built for next-generation IP transport networks. Leveraging the advanced Qumran3a platform, it delivers exceptional forwarding scale, power efficiency, and feature richness to address the rapidly evolving demands of carrier-grade backbone and metro aggregation networks.

As AI applications accelerate the exponential growth of east-west and edge-to-core traffic, transport networks face increasing pressure to deliver higher bandwidth, lower latency, and greater flexibility. The S9620-40DG rises to this challenge by providing a compact, power-optimized solution that supports 800G ports with flexible breakout options, enabling seamless scalability and efficient bandwidth utilization.

With robust support for Time-sensitive network (TSN), MACsec and IPsec, and SRv6, the S9620-40DG ensures reliable service delivery and traffic engineering across complex network topologies. Its telemetry-ready architecture and hardware-based forwarding capabilities make it an ideal choice for operators looking to future-proof their transport infrastructure in the age of AI-driven connectivity.

The S9620-40DG traffic manager integrates deep packet buffering with a granular scheduling scheme that allows state-of-the-art hierarchical QoS, transmission scheduling, and flow control. These advanced scheduling and queuing schemes natively support all the latest innovations in networking congestion avoidance, such as priority-based flow control (PFC), Enhanced Transmission Selection (ETS), latency-based explicit congestion notification (ECN), and interface utilization-based ECN.

This document describes the hardware installation process for S9620-40DG



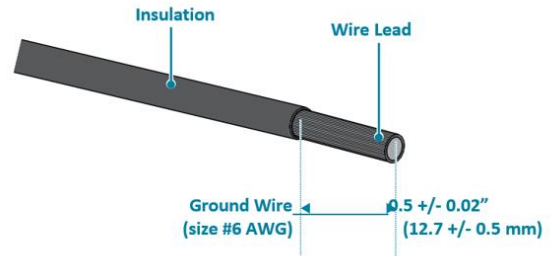
2 Preparation

2.1 Installation Tools

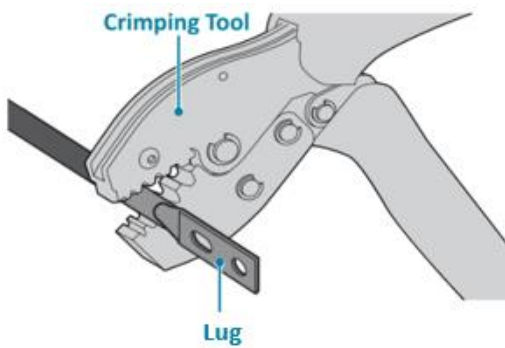


Screwdriver (Phillips head #2)

Phillips #2 Screw Driver



6-AWG green-and-yellow wire for grounding



Crimping tool



Wire stripping tool



Note

All illustrations within this document are for reference purposes only. Actual objects may differ.

- PC with terminal emulation software. Refer to the "Initial System Setup" section for details.
 - Baud rate: 115200 bps
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow control: None

2.2 Installation Environment Requirements

- Power Reserve: The S9620-40DG power supply is available with:
 1. **DC Version:** 1+1 Redundant and hot swappable -40 to -72V DC power supply field replaceable unit or;
 2. **AC Version:** 1+1 Redundant and hot swappable 100 to 240V AC power supply field replaceable unit.

To ensure the redundant feed power design functions properly, a field with dual power circuit is recommend with a reserve of at least 900 watts on each power circuit.

- Space Clearance: The S9620-40DG width is 17.32 inches (44.0cm) and shipped with a rack mount brackets suitable for 19 inch (48.3cm) wide racks. The depth of the S9620-40DG chassis is 9.84 inches (25.0cm) without the field replaceable units (FRUs) and comes with adjustable check mounting rails suitable for rack depths of 20 inches (50.8cm) to 31 inches (78.8cm). The handle for the fan units will extend outwards by 1.0 inch (2.5cm) and the handle for the power supplies will extend outwards by 1.06 inches (2.7cm). Therefore, to accommodate the fan and power supply handles, a minimum space clearance of 2 inches (5.1cm) is needed at the back and front of the S9620-40DG. A total minimum reserve depth of 14 inches (35.5cm) is required.

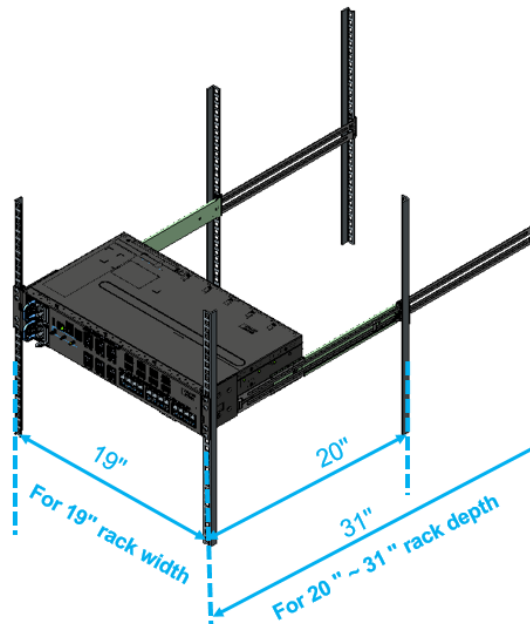


Figure 1

- Cooling: The S9620-40DG airflow direction is front-to-back. Make sure the equipment on the same rack have the same airflow direction.

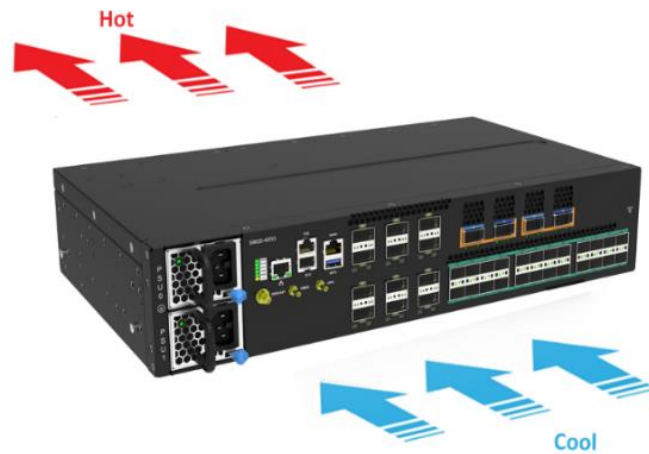


Figure 2

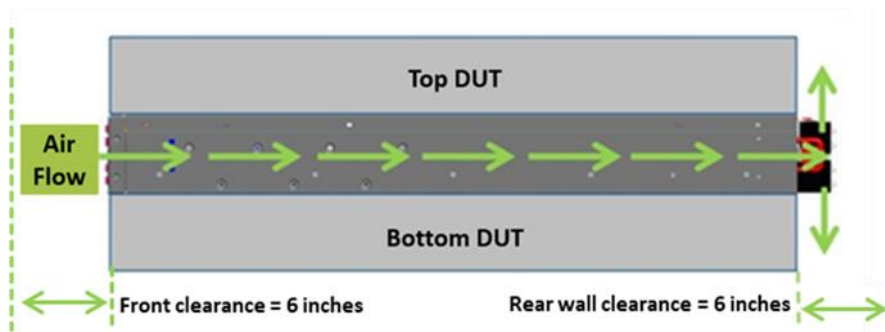


Figure 3

2.3 Preparation Check List

Task	Check	Date
Power voltage and electric current requirements DC version: -40 to -72V DC, 30A maximum x2 or; AC version: 100 to 240V AC, 10A maximum x2		
Installation space requirements S9620-40DG requires 2RU 3.50" (8.9cm) in height, 19.32" (44.0cm) in width, and need a minimum reserve depth of 21.84 inches (55.47cm)		
Thermal requirements S9620-40DG working temperature is -40°C ~ 70 °C (-40°F to 158°F), airflow direction is front-to-back		
Installation tools required #2 Philips Screwdriver, 6-AWG yellow-and-green wire stripper, and crimping tool		
Accessories required PC with USB ports and terminal emulation software		



3 Package Contents

3.1 Accessory List

Item	Description	Spec. & Dimensions	Qty.	Weight
1	Grounding Lug	1.97" x 0.44" x 0.3" (#6 AWG) (50 x 11.1 x 7.5mm)	1 set	0.02lb (10.0g)/1 set
2	Screw Kit (for Grounding Lug)	2 x Screws M4*L8.0mm 4 x M4 Lock Washers	1 sets	0.008lbs (3.8g)/set
3	Screw Kit (for Rack Mount Bracket)	8 x Screws M4.0*L6.5mm	3 sets	0.01lbs (6.5g)/set
4	Grounding lug adapter bracket	Bracket 86x12x2mm	1 pcs	0.04lb (20.0g)/1 pcs
5	DC Input Lug (DC version Only)	4 x DC Input Lugs (#10AWG) 0.35" x 0.77" x 0.49 " (8.8 x 19.5 x 12.5mm)	1 set	0.03lbs (13.2g)/set
6	AC Power Cord (AC version Only)	72.05" (1830mm)	2 pcs	1.54lb (700g)/ 2 pcs 0.77lb (350g)/1 pcs
7	RJ45 to DB9 Female Cable	8' (2438mm)	1 pcs	0.23lb (105g)/1 pcs
8	USB 3.0 Cable	7.87" (200mm)	1 pcs	0.03lb (13.6g)/ 1 pcs
9	Adjustable Mounting Rail (for 4 post)	16.02" x 1.69" x 0.83" (406.8 x 43 x 21mm) (20" to 31" rack depth)	2 sets	1.79lbs (810g)/2 pcs (0.89lbs (405g)/pcs)
10	Rack Mount Bracket	1.98" x 1.69" x 0.79" (50.4 x 43 x 20mm) (19" width rack)	2 pcs	0.15lbs (134g)/2 pcs (0.07lbs (67g)/pcs)

3.2 Component Physical Information

Specification	Item	Description
Weight	Total package contents	29.1lb (13.2kg)
	Chassis without FRU	18.7lb (8.5kg)
	Power Supply Unit (PSU)	DC PSU: 1.54lb (0.70kg)
		AC PSU: 1.65lb (0.75kg)
	Fan module unit	0.40lb (180g)
	Ground lug	0.02lb (10g)
	Adjustable mounting rail	1.79lbs (810g)
	RJ45 to DB9 female cable	0.23lb (105g)
	AC power cord (AC version only)	0.77lb (350g)/1 pcs
	USB 3.0 cable	0.03lb (13.6g)
Dimension	S9620-40DG (W x D x H)	17.32" x 9.84" x 3.50"
		(440 x 250 x 89.0mm)
	PSU (W x D x H)	2.15" x 7.87" x 1.57" (54.5 x 200 x 40mm)
	Fan (W x D x H)	2.02" x 3.17" x 3.35" (51.5 x 80.2 x 85mm)



4 Identifying Your System

4.1 S9620-40DG Overview

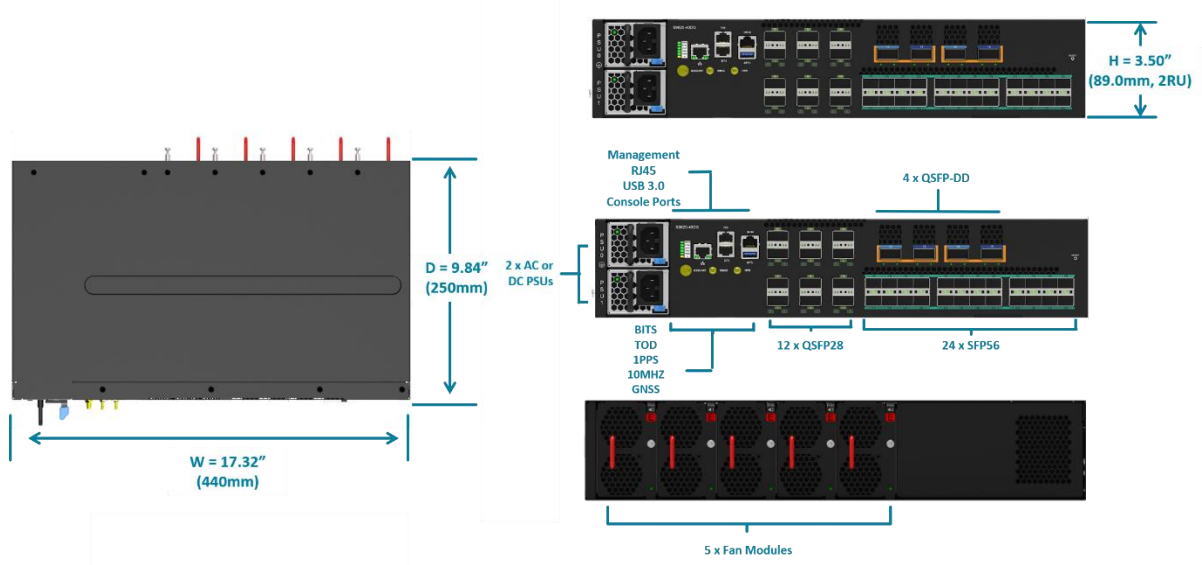


Figure 4

4.2 PSU Overview

Power supply unit (PSU) with 1+1 Redundancy. Hot swappable, field replaceable unit (FRU).

AC Version:

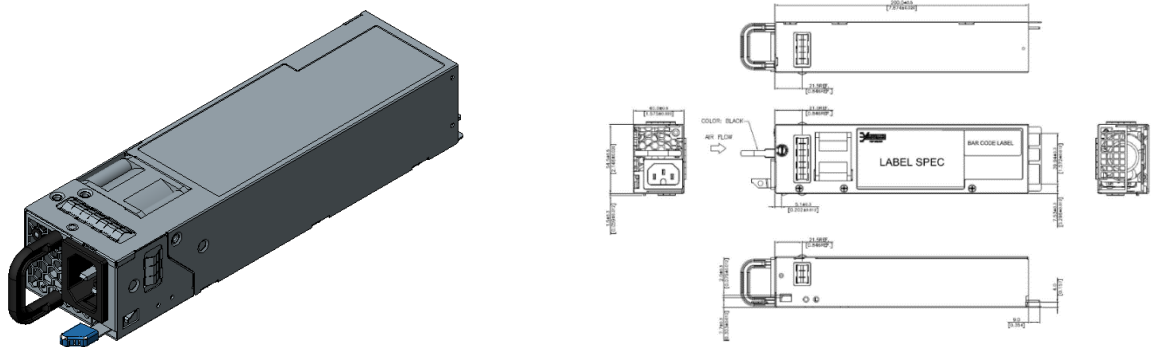


Figure 5

DC Version:

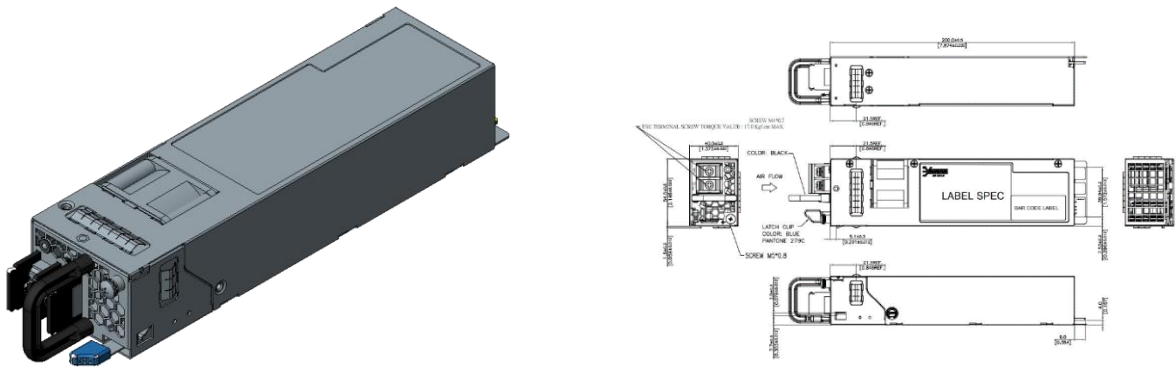


Figure 6

4.3 Fan Overview

4+1 Redundant, hot swappable, field replaceable unit (FRU).

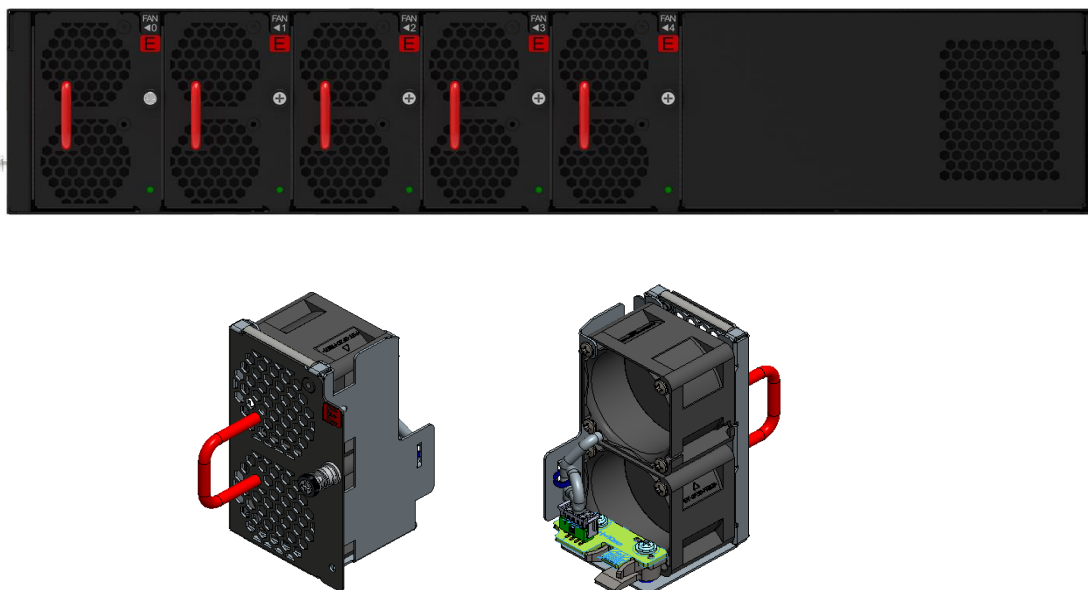


Figure 7

4.4 Port Overview

Port ID	Form Factor	Maximum Support Distance	Support Speed
0~11	QSFP28	Up to 49.7mi (80km)	40/100G
12, 14	QSFP-DD	Up to 372.82mi (600km)	40G/100G/200G/400G
13, 15	QSFP-DD	Up to 316.68mi (500km)	100G/200G/400G/800G
16~39	SFP56	Up to 49.7mi (80km)	1/10/25/50G

The QSFP-DD interfaces two ports highlighted in orange (port 12, 14) below can support 400ZR and 400G OpenZR+ transceivers. And the QSFP-DD interfaces two ports highlighted in red (port 13, 15) below can support 800ZR and 800G OpenZR+ transceivers.

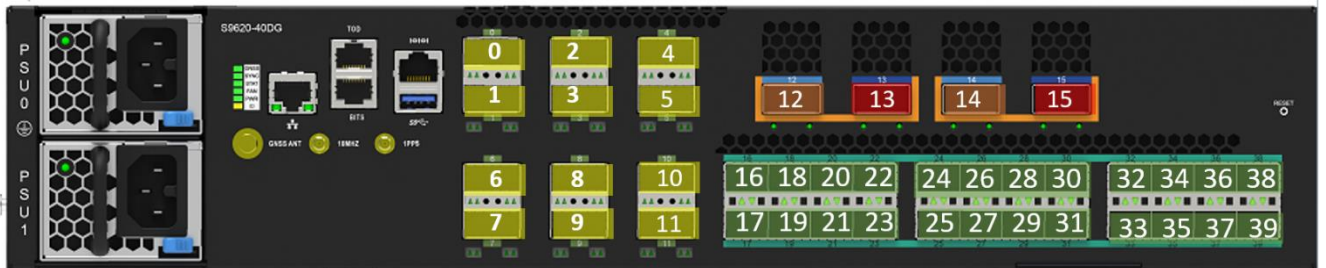


Figure 8



Note

Please be noticed when plugging ZR/OpenZR+ modules due to high power dissipations and thermal design considerate. The device operation range is -40°C ~ 55°C (-40°F to 131°F)



5 Rack Mounting



It is recommended that installation be done by at least two trained professionals. One individual should hold the router in position, while the other secures it in place onto the rail slides.

1. Secure the rack mount brackets onto the router.
Align the rack mount brackets with the holes provided on the both sides of the case and secure the brackets using the 8 M4.0*L6.5mm screws provided with the package.

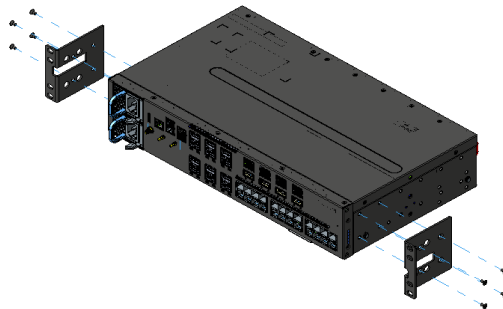


Figure 9

2. Secure the router onto the rack posts.
Mark the location on both posts to ensure it is leveled before securing the router onto the rack using the screws and cage nuts provided with the package (See Figure 10). For a 4 post rack, first secure the adjustable mounting rail to the back of the router using the M4.0*L6.5mm screws provided in the package. Then secure the adjustable mounting rail to the rack posts using the screws and cage nuts provided (See Figure 11).



Note

Illustrations are for reference purposes only. Actual cabinet posts may differ.

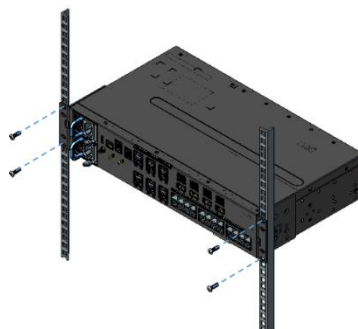


Figure 10

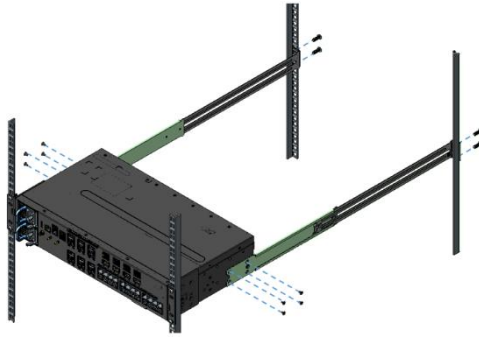


Figure 11



6 Installing Fan Modules

The fan modules are hot swappable field replaceable units (FRUs), which can be replaced while the router is operating as long as all the remaining modules are installed and in operation. The fans come pre-installed and the following steps are instructions on how to install a new fan module.

1. Loosen the captive screw located on the fan module.

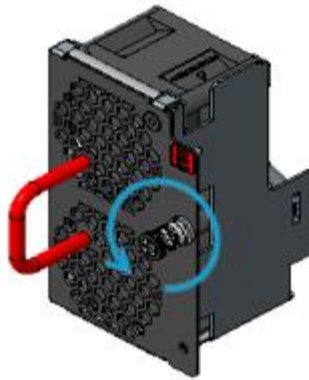


Figure 12

2. Grip the fan's handle and firmly pull it out of the fan bay.

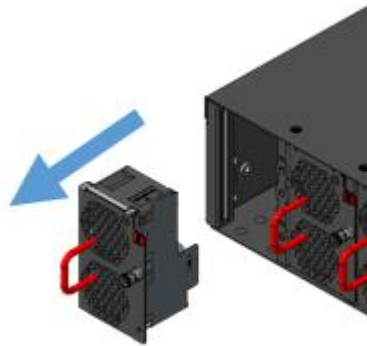


Figure 13

3. Align the new fan module with the fan bay.
4. Carefully slide the new fan module into the fan bay and gently push until it is flush with the case.
5. Secure the captive screw on the fan module to lock the fan in place.

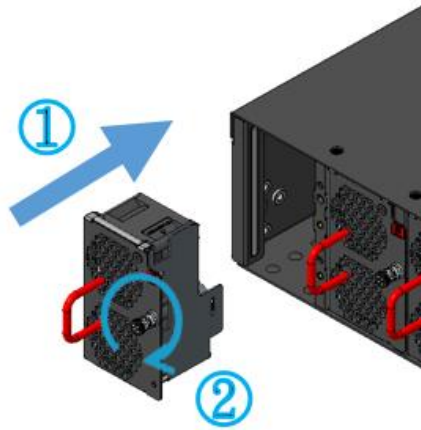


Figure 14

7 Installing Power Supply Units

The power supply unit (PSU) is a hot swappable field replaceable unit (FRU) and can be replaced while the router is operating as long as the remaining (second) PSU is installed and in operation. The AC and DC PSU follow the same steps for installation. The PSU comes pre-installed and the following are instructions on how to install a new PSU.

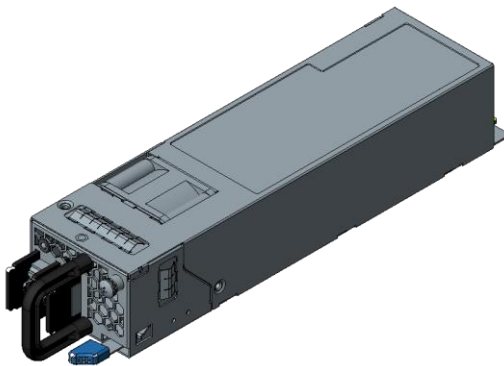


Safety Notices

Caution! Shock hazard!

TO DISCONNECT POWER, REMOVE ALL POWER CORDS FROM UNIT.

DC:



AC:

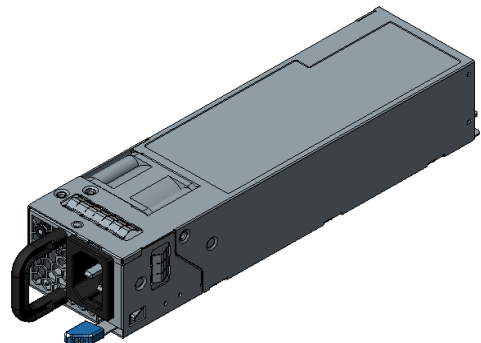


Figure 15

1. Locate the release tab on the PSU. Then press and hold down the release tab to unlock the PSU.
2. While holding down the release tab, grip the PSU's handle and firmly pull it out of the power bay.

DC Version:

AC Version:

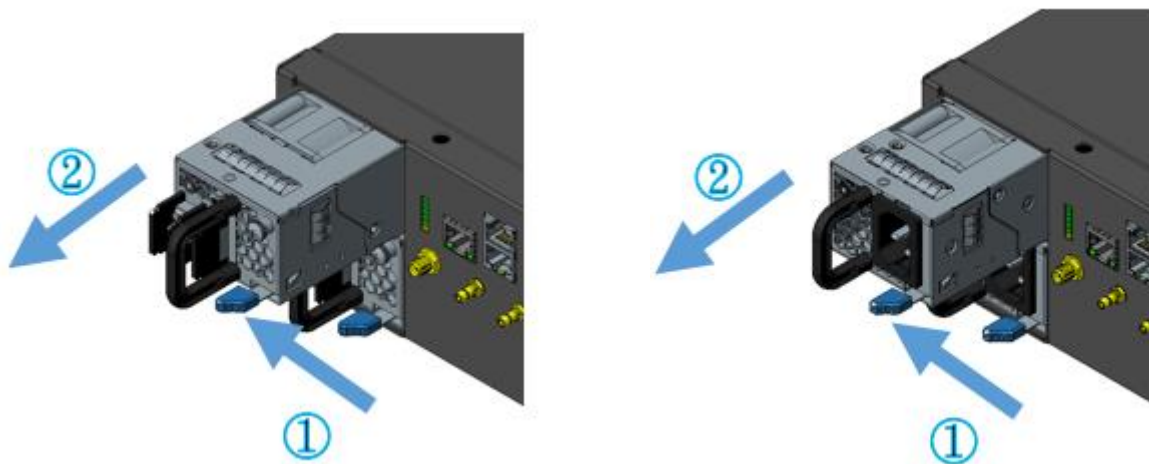


Figure 16

3. Align the new PSU with the power bay, ensuring the PSU's power connector is in the correct position.
4. Carefully slide the new PSU into the power bay and gently push until it is flush with the case.
5. An audible click will be heard when the PSU is installed correctly. The PSU will not go in all the way if it is in the wrong direction.

DC Version:

AC Version:

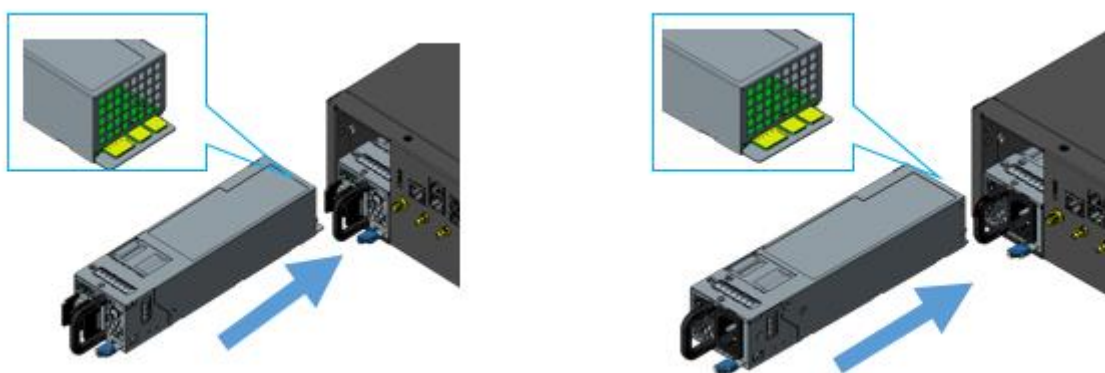


Figure 17



8 Grounding the Router

It is recommended that equipment changes be done on a grounded rack system. This will reduce or prevent the risk of shock hazards, equipment damage, and potential of data corruption.

The router can be grounded from the router's case and/or the power supply units (PSUs). When grounding the PSUs, ensure that both PSUs are grounded at the same time in case one of them is removed. A grounding lug and M4 screws and washers are provided with the package contents, however, the grounding wire is not included. The location for securing the grounding lug is at the rear of the case and is covered with a protective label.

The following instructions are for installing the grounding lug onto the case.

1. Before grounding the router, ensure that the rack is properly grounded and in compliance with local regulatory guidelines. Ensure that there is nothing that can obstruct the connection for grounding and remove any paint or materials that may prevent good grounding contact.
2. Strip the insulation from a size #6 AWG grounding wire (not provided within the package contents), leaving 0.5" $\pm$ 0.02" (12.7mm $\pm$ 0.5mm) of exposed grounding wire.
3. Insert the exposed grounding wire all the way into the hole of the grounding lug (provided with package contents).
4. Using a crimping tool, firmly secure the grounding wire to the grounding lug.

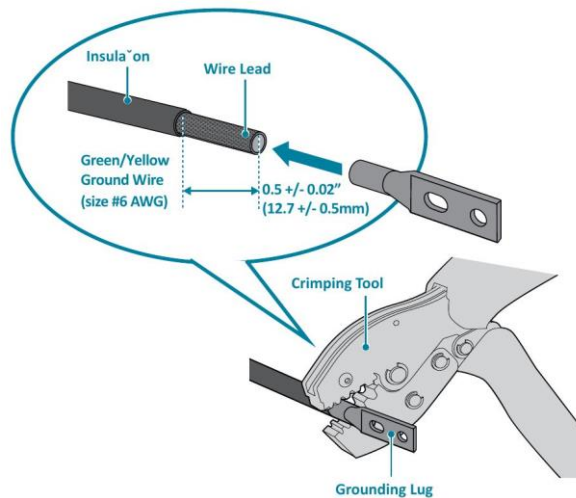


Figure 18

5. Locate the designated location for securing the grounding lug, which is located on the side of the router and remove the protective label.

6. Using 2 M4 screws and 4 washers (provided with the package contents), firmly lock the grounding lug to either of the designated grounding locations on the router. Figure 18 need to use grounding lug adapter bracket and 2 M4 black screws.

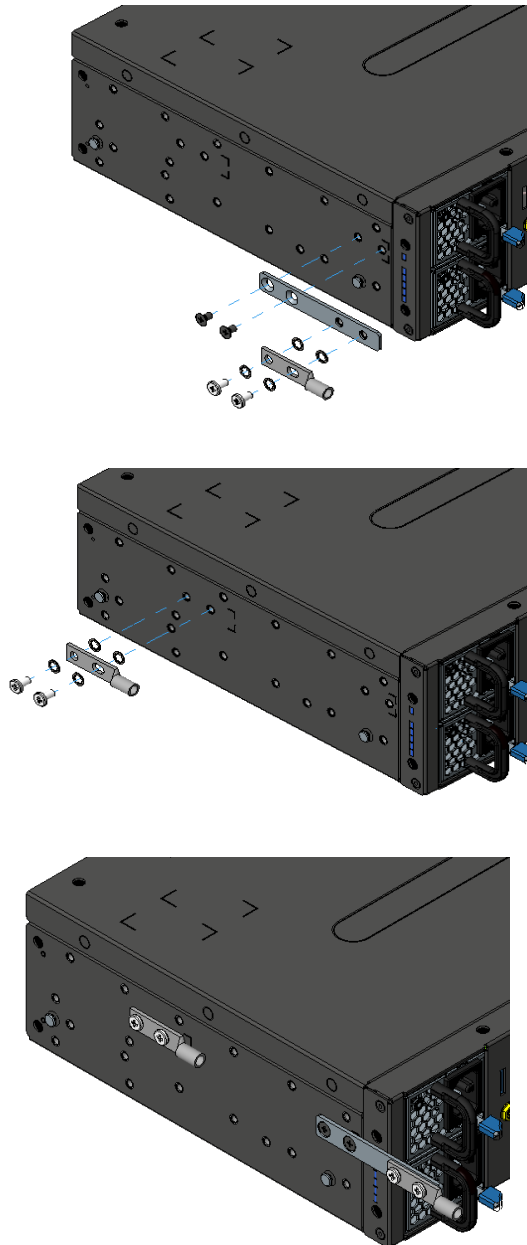


Figure 19



9 Connecting Power



Note

All power cables must be routed entirely within the designated rack cable management areas and fixed properly using appropriate strain relief and fasteners.

9.1 DC Version



Dangerous Voltage!

- Must be powered off before removing!
- Verify that all electrical connections are grounded before powering on
- The DC power source must be reliably grounded

1. Ensure there is enough power to supply the system.
The maximum system power consumption is 680 watts under 800G optics MSA standards. With OpenZR+ transceivers, the maximum power consumption is 750 watts. The actual power consumption might vary depending on the use case. It is recommended to ensure that enough power is reserved from the power distribution system before installation. Also, please ensure that both PSUs have been properly installed before powering up the equipment, as the S9620-40DG is designed to support 1 + 1 power redundancy.
2. Attach the DC power cables to the lugs.
The UL 1015, 10 AWG DC power cable (not provided), made of stranded copper, must be attached to a one-hole lug before connecting to the PSU. The following instructions are for connecting the DC Power Cable to the lug:
 - 2.1 Strip the insulation from a DC Power Cable, leaving 0.5" +/-0.02" (12.7mm +/-0.5mm) of exposed cable
 - 2.2 Insert the exposed DC power cable into the heat shrink tubing, the length of heat shrink tubing should not less than 38.5mm.
 - 2.3 Insert the exposed DC power cable all the way into the hollow tube of the lug (provided with switch package contents).
 - 2.4 Using a crimping tool, firmly secure the DC power cable to the lug. It is recommended to not crimp exceeding the lines indicated on the lug, which is also depicted as the cross-section area in the picture on the below.

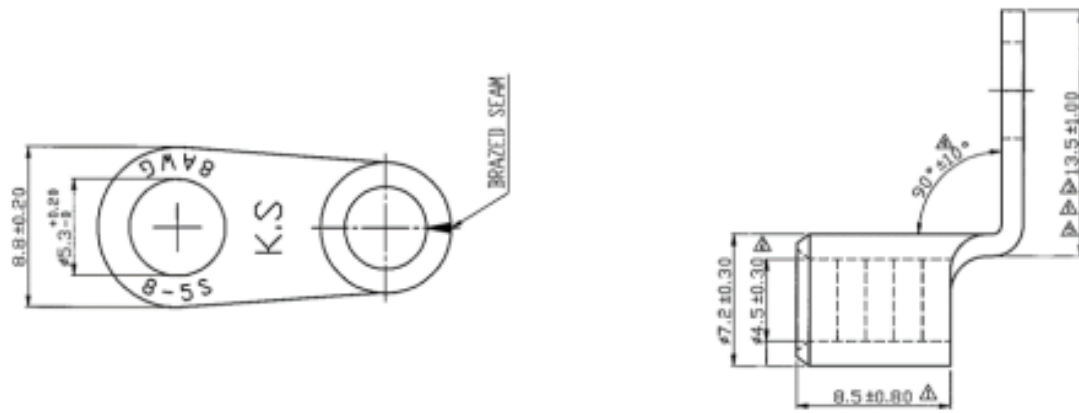


Figure 20

2.5 Move the heat shrink tubing to cover any exposed metal on the DC power cable and lug.

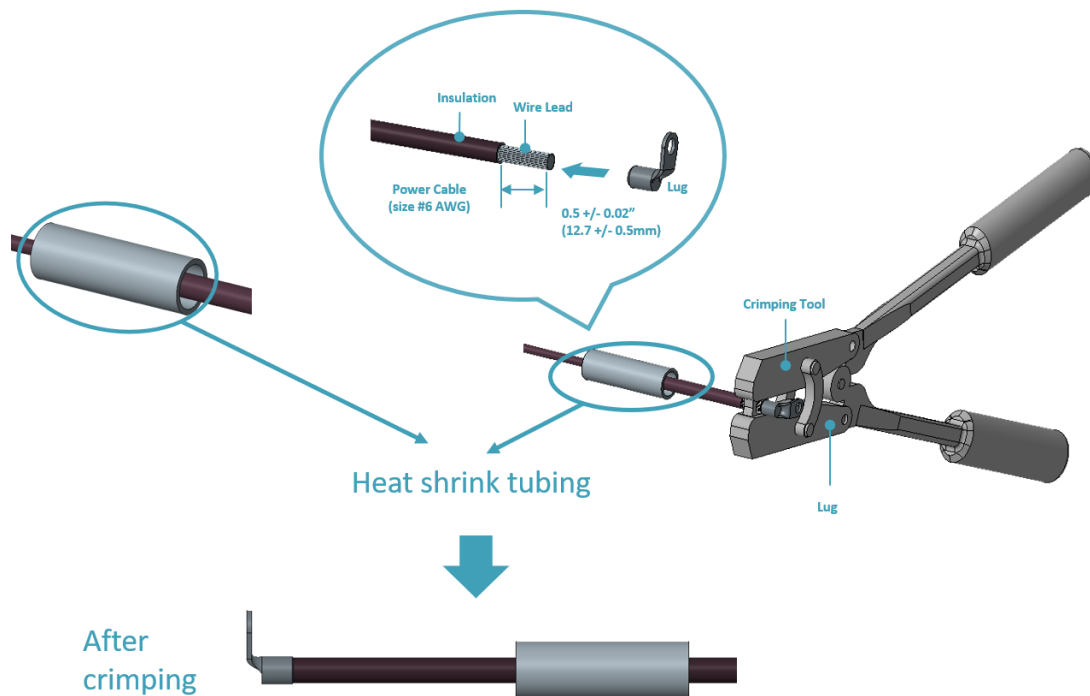


Figure 21

2.6 Use a heat source to secure the heat shrink tubing in place. Allow the heat shrink tubing to cool before attaching the DC power cable. An example of the installed DC version with insulation material as below.

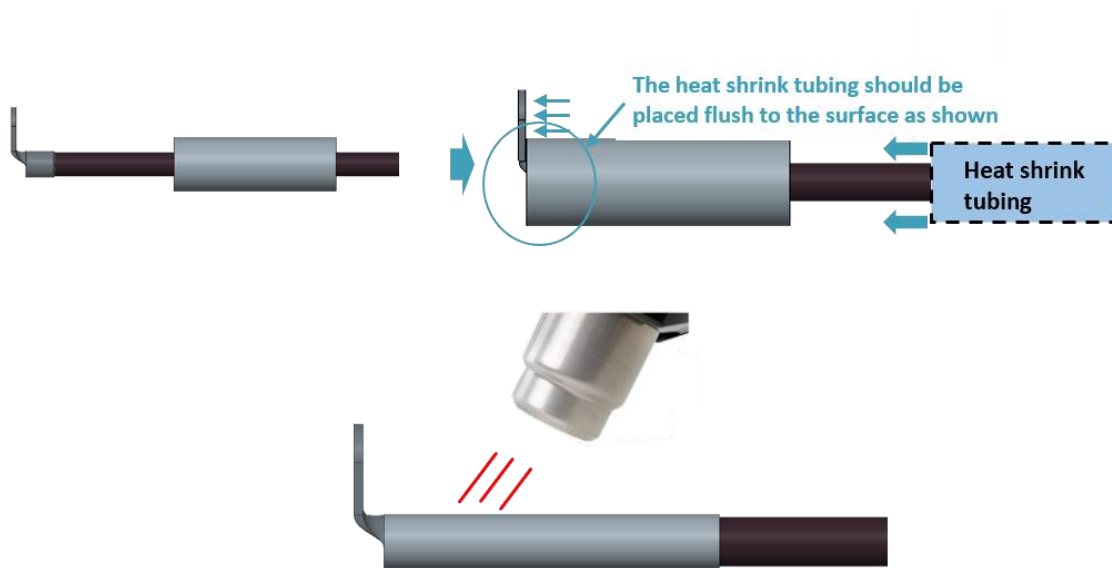


Figure 22

3. Attach the power cable.

Locate the DC power screw-type terminal block located on the PSU. Remove the plastic cover that is protecting the terminal block by pushing from the top or bottom of the cover and flipping open the cover outwards. Secure the one-holed lugs (with the DC power cable attached) to the terminal block as depicted in the following figure.

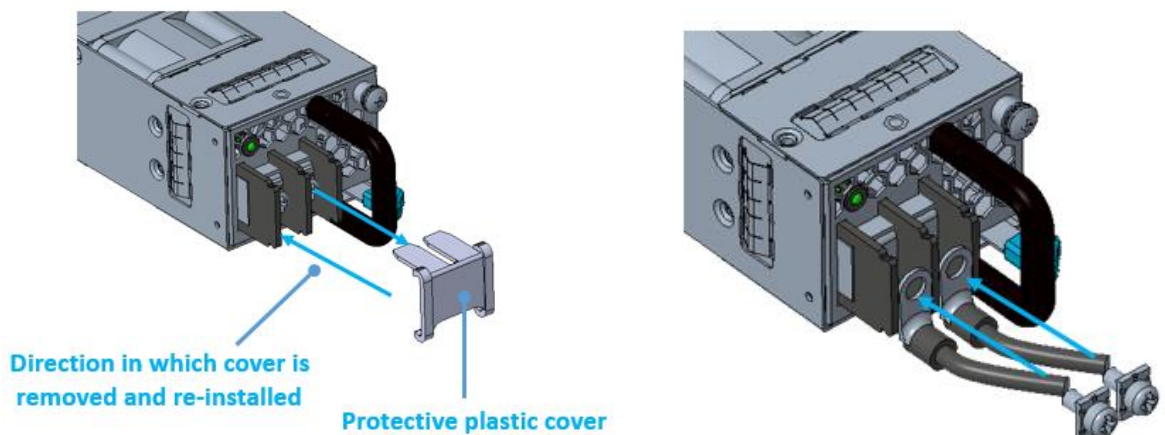


Figure 23

4. Tighten the screws to the specified torque.

Tighten the screws to a torque value of $14.0 \pm 0.5 \text{ kgf.cm}$. If the torque is not enough, the lug will not be secure and may cause malfunctions. If the torque is too much, the terminal block or lug may be damaged. Secure the plastic cover back onto the terminal block. The figure below depicts how it should look once the lug is attached and the protective plastic cover reinstalled.

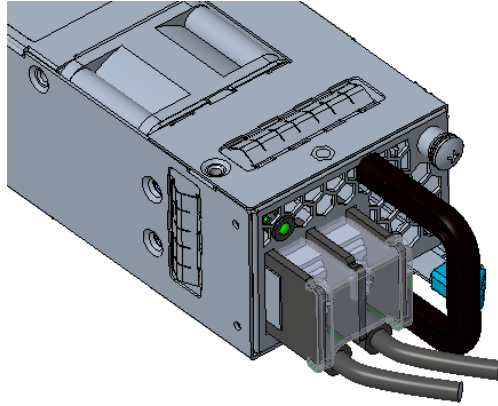


Figure 24

5. Feed DC power into the system.

Use a -40V to -72V DC power source rated for operation up to 5000 meters, and be aware that the system will receive 12V and 5VSB power instantly upon connection. The PSU has a built in 30A, fast acting fuse based on the PSU maximum capacity, which will act as a second-tier system protection in case the power distribution unit's fuse is not functioning.

6. Verify that the power supply is operating.

If connected correctly, when turned on, the LED on the PSU will light up with a Green color designating normal operation.

9.2 AC Version

1. Ensure there is enough power to supply the system.

The maximum system power consumption is 680 watts under 800G optics MSA standards. With OpenZR+ transceivers, the maximum power consumption is 750 watts. The actual power consumption might vary depending on the use case. It is recommended to ensure that enough power is reserved from the power distribution system before installation. Also, please ensure that both PSUs have been properly installed before powering up the equipment, as the S9620-40DG is designed to support 1 + 1 power redundancy.

2. Attach the power cable.

Locate the AC inlet connector on the PSU and plug the AC power cable (250VAC 15A, IEC60320 C15) into the AC inlet connector.

3. Feed AC power into the system.

Use a 100-240V AC power source rated for operation up to 5000 meters, and be aware that the system will receive 12V and 5VSB power instantly upon connection. The PSU has a built-in 12.5A, fast acting fuse based on the PSU maximum capacity, which will act as a second-tier system protection in case the power distribution unit's fuse is not functioning.

4. Verify that the power supply is operating.

If connected correctly, when turned on, the LED on the PSU will light up with a solid Green color designating normal operation.

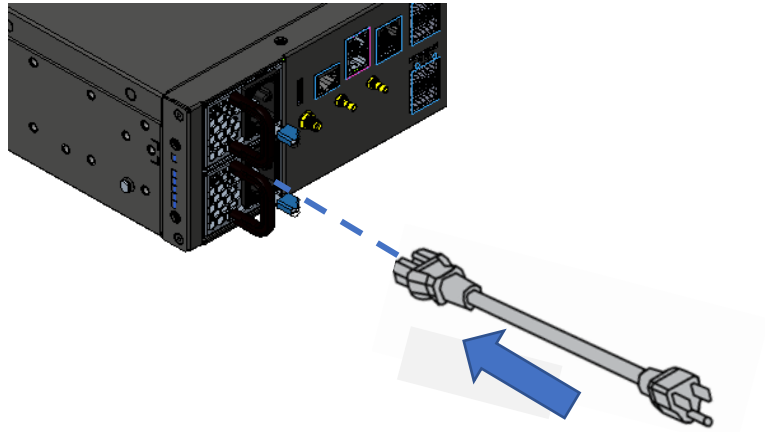


Figure 25



10 Verifying System Operation

10.1 Front Panel LED

Verify basic operations by checking the system LEDs located on the front panel. When operating normally, the SYS, FAN, PS0 and PS1 LEDs should all display green.

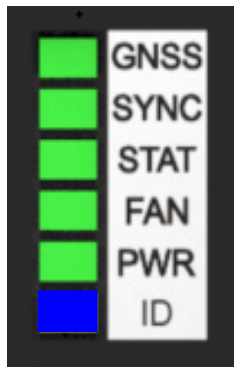


Figure 26

LED Condition	Equipment Status
SYNC	
Off	System timing synchronization is disabled or in free-run mode.
Solid Green	System timing core(1588 and SyncE) is synchronized to external timing source (ex: GNSS, 1PPS, PTP, BITS, etc)
Blinking Green	System is synchronized in SyncE mode.
Solid Yellow	System timing core is in acquiring state or holdover mode.
Blinking Yellow	System timing synchronization fail.
PWR	
OFF	No power or in shutdown mode.
Solid Green	System power good and CPU power good.
Blinking Green	System power good but BMC power fail.
Solid Yellow	System power good but CPU power fail.
Blinking Yellow	System power fail and CPU power fail.
FAN	
OFF	No FAN modules present or FAN modules are not initialized.
Solid Green	All FAN modules are working normal.
Blinking Green	Reserved.
Solid Yellow	Reserved.
Blinking Yellow	One or more FAN module(s) need service.
STAT	
OFF	System (X86 & BMC) no boot.
Solid Green	System boot complete. (NOS)
Blinking Green	System is booting.
Solid Yellow	System boot complete (DIAG OS)
Blinking Yellow	Reserved.

GNSS	
OFF	GNSS is not configured.
Solid Green	GNSS is in normal state. Self-survey is completed.
Blinking Green	GNSS is in learning state. Self-survey is not completed.
Solid Yellow	Power up. GNSS is not tracking any state.
Blinking Yellow	GNSS antenna is short to ground.
ID	
OFF	No Power
Blinking Blue	The beacon feature is enabled on the switch

10.2 PSU FRU LED

Additional information about PSU status can be obtained by the LEDs located on the PSU itself.

LED Condition	Equipment Status
OFF	No input power to all power supplies
Green	Output ON and OK.
Blinking Green	PSU input power present / Only +5VSB on.
Blinking Green	Power supply firmware updating (Boot-loader mode).
Red	Power supply critical event causing a shutdown, OTP, OVP, UVP, OCP
Blinking Red	Input power cord unplugged or input power lost with a second power supply in parallel still with AC input power.
Blinking between Green and Red	Power supply warning events where the power supply continues to operate; high temp, high power, high current, and/or slow fan.

OTP: Over Temperature Protection, OVP: Over Voltage Protection, UVP: Under Voltage Protection, OCP: Over Current Protection

10.3 Fan FRU LED

Additional information about fan status can be obtained by the LEDs located on the fan itself.

LED Condition	Equipment Status
OFF	No input power
Green	Fan FRU function normal
Amber	Fan FRU abnormal, service is required



11 Initial System Setup

Establishing a first-time serial connection.

To assign an IP address, you must have access to the command line interface (CLI). The CLI is a text-based interface that can be accessed through a direct serial connection to the router.

Access the CLI by connecting to the console port. After you assign an IP address, you can access the system through Telnet or SSH by Putty, TeraTerm or HyperTerminal.

Perform the following steps to access the router through a serial connection:

1. Connect the console cable.
 - The console can be connected either with the IOIO port or the USB port. If connecting with USB, drivers will need to be installed.
 - To connect the console using the IOIO port, locate the port labelled IOIO, then plug a serial cable into the console port and connect the other end to the PC or laptop. Cable types may vary depending on the router model.



Figure 27

2. Check for serial control availability.
Disable any serial communication programs running on the computer such as synchronization programs to prevent interference.
3. Launch a terminal emulator.
Open a terminal emulator application such as HyperTerminal (Windows PC), Putty or TeraTerm and configure the application. The following settings are for a Windows environment (other operating systems may vary):
 - Baud rate: 115200 bps
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow control: None
4. Login to the device.
After the connection is established, a prompt for the username and password displays. Enter the username and password to access the CLI. The username and password should be provided



by the Network Operating System (NOS) vendor.

12 Cable Connections

12.1 Connecting the USB Extender Cable

Connect the USB 3.0 A Type plug (male connector) into the USB port (female connector) located on the front panel of the router. This USB port is a maintenance port.



Figure 28

12.2 Connecting the 1PPS Interface



Note

The maximum length of the 1PPS coaxial SMB/1PPS Ethernet cable should not be more than 3 meters.

Connect an external 1PPS cable with an impedance of 50 ohms to the port labelled “1PPS”.



Figure 29

12.3 Connecting the 10MHz Interface



Note

The maximum length of the 10MHz coaxial SMB cable should not be more than 3 meters.

Connect an external 10MHz cable with an impedance of 50 ohms to the port labelled "10MHz".



Figure 30

12.4 Connecting the Transceiver



Note

To prevent over tightening and damaging the optic fibers, it is not recommended to use tie wraps with optical cables.

Read the following guidelines before connecting the transceiver:

- Before installing the router, take into consideration rack space requirements for cable management and plan accordingly.
- It is recommended to use hook-and-loop style straps to secure and organize the cables.
- For easier management, label each fiber-optic cable and record its respective connection.
- Maintain a clear line of sight to the port LEDs by routing the cables away from the LEDs.



Caution

Before connecting anything (cables, transceivers, etc.) to the router, please ensure to discharge any static electricity that may have built up during handling. It is also recommended the cabling be done by a professional who is grounded, such as by wearing an ESD wrist strap.

The following the steps below for connecting a transceiver.

1. Remove the new transceiver from its protective packaging.
2. Remove the protective plug from the transceiver itself.
3. Place the bail (wire handle) in the unlocked position and align the transceiver with the port.
4. Slide the transceiver into the port and gently push until it is secured in place. An audible click



can be heard when the transceiver is secured in the port.

13 Cautions and Regulatory Compliance Statements

13.1 Cautions and Regulatory Compliances



Safety Notices

Caution! Shock hazard!

TO DISCONNECT POWER, REMOVE ALL POWER CORDS FROM UNIT.



Electrical Hazard: Only qualified personnel should perform installation procedures.

Risques d'électrocution: Seul un personnel qualifié doit effectuer les procédures d'installation.



Warning: Network Switch 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: Network Switch 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.



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



Caution: This unit must be installed indoors. The unit, AC power supplies, DC power supplies, and its cables are not designed for outdoor use.



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.



This equipment must be grounded. Do not defeat the ground conductor or operate the equipment without correctly grounding the equipment. If there is any uncertainty about the integrity of the equipment's grounding, please contact the electrical inspection authority or a certified electrician.



Caution: Only Laser Class 1 optical transceivers shall be used.



＜電源コードセットに関する使用上の注意事項＞

付属の「AC電源コードセット」は、本製品専用のものです。他の電気機器には絶対に使用しないでください。

Federal Communications Commission (FCC) Notice

This device complies with Part 15 of 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

This equipment must be grounded. Do not defeat the ground conductor or operate the equipment without correctly grounding the equipment. If there is any uncertainty about the integrity of the equipment's grounding, please contact the electrical inspection authority or a certified electrician.

Industry Canada Notice

CAN ICES-003 (A)/NMB-003(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.

VCCI Notice

This is Class A equipment. Operation of this equipment in a residential environment could cause radio interference. In such a case, the user may be required to take corrective actions.

1. Class A equipment

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

Translation:

This is Class A equipment. Operation of this equipment in a residential environment could cause radio interference. In such a case, the user may be required to take corrective actions.

VCCI-A

警告使用者:

為避免電磁干擾,本產品不應安裝或使用於住宅環境。

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。



The intra-building OOB (Ethernet) of the equipment or subassembly must use shielded intra-building cabling/wiring that is grounded at both ends.

Installation location

The device should be installed only in a server room or computer room where access is:

- Restricted to qualified service personnel or users familiar with restrictions applied to the location, reasons therefore, and any precautions required.
- Only afforded by the use of a tool or lock and key, or other means of security, and controlled by the authority responsible for the location.

Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75.

The logo for ufiSpace, featuring the word "ufi" in a lowercase, bold, sans-serif font, followed by "Space" in a larger, bold, sans-serif font. The "i" in "ufi" has a dot. The entire logo is white and is centered within a large, solid red trapezoidal shape that points to the left.

ufiSpace

Unifying Cloud & Carrier Networks

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