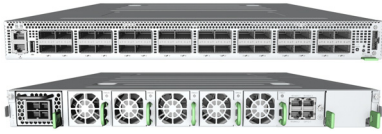


# Quick Start Guide

## 32-Port 100G Ethernet Switch

Wedge100BF-32QS

### Package Contents



1

1. Wedge100BF-32QS
2. Rack Mounting Kit—2 front-post brackets, 2 rear-post brackets, 20 screws, and 2 ear-locking screws



2



3



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3. Power cord—either Japan, US, Continental Europe, UK or China
4. Documentation—*Quick Start Guide* (this document) and *Safety and Regulatory Information*



**Note:** For safety and regulatory information, refer to the *Safety and Regulatory Information* document included with the switch.



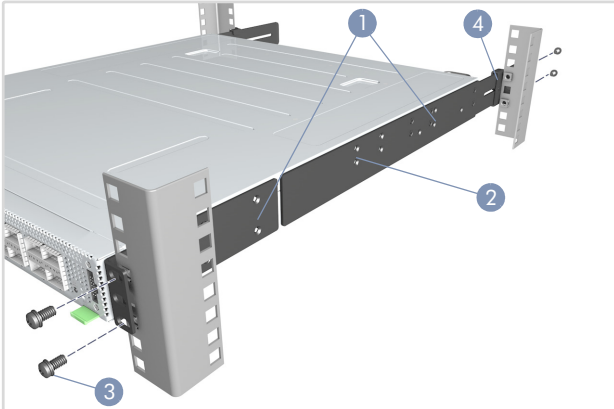
**Caution:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the manufacturer's instructions.

**Attention:** Risque d'explosion si la batterie est remplacée par un type incorrect. Éliminez les piles usagées conformément aux instructions.



**Note:** The switch has the Open Network Install Environment (ONIE) software installer pre-loaded on the device, but no system software image.

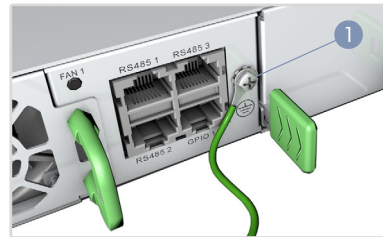
## 1 Mount the Switch



1. Attach each of the front- and rear-post brackets to the device using four of the included bracket screws.
2. Use an additional two screws to secure each of the rear-post brackets at the mid-point on the sides of the device.
3. Use the screws and cage nuts supplied with the rack to secure the device in the rack.
4. Lock the position of the rear-post bracket ears using the included position-locking screws.

You can also adjust the rear-post bracket ears to fit different rack depths from 56 cm to 85 cm.

## 2 Ground the Switch



1. Ensure the rack on which the switch is to be mounted is properly grounded and in compliance with ETSI ETS 300 253. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).
2. Attach a lug (not provided) to a #16 AWG minimum grounding wire (not provided), and connect it to the grounding point on the switch rear panel. Then connect the other end of the wire to rack ground.



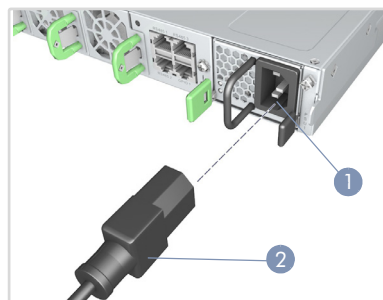
**Caution:** The chassis ground connection must not be removed unless all supply connections have been disconnected.

**Attention:** Le raccordement à la terre ne doit pas être retiré sauf si toutes les connexions d'alimentation ont été débranchées.

**Caution:** The device must be installed in a restricted-access location. It should have a separate protective ground terminal on the chassis that must be permanently connected to a well grounded chassis or frame to adequately ground the device chassis and protect the operator from electrical hazards.

**Attention:** L'appareil doit être installé dans un emplacement à accès restreint. Il doit comporter une borne de terre de protection distincte sur le châssis, qui doit être connectée en permanence à la terre pour assurer une mise à la terre adéquate du châssis et protéger l'opérateur des risques électriques.

## 3 Connect Power



1. Install two universal AC power supply units (PSUs) in the switch.



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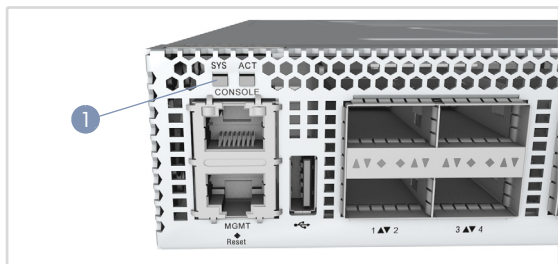
2. Connect an external AC power source to the PSUs.



**Caution:** Use the AC power cord supplied with the device. For International use, you may need to change the AC line cord. You must use line cord sets that have been approved for the socket type in your country.

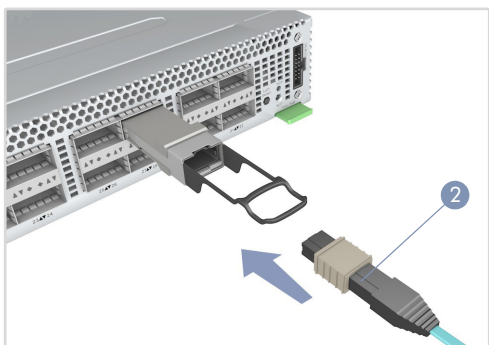
**Attention:** Utilisez le cordon d'alimentation secteur fourni avec l'appareil. Pour une utilisation internationale, vous devrez peut-être changer le cordon d'alimentation. Vous devez utiliser des jeux de cordons d'alimentation approuvés pour le type de prise de votre pays.

## 4 Verify Basic System Operation



1. Verify basic system operation by checking the SYS LED.  
When operating normally, the SYS LED should be on green.

## 5 Connect Network Cables



1. Connect a 100-ohm Category 5e (or better) twisted-pair cable to the 1000BASE-T RJ-45 Management port.
2. Connect network cables to QSFP28 interfaces:
  - ◆ If you are connecting fiber optic cables, install QSFP28 fiber transceivers and then connect fiber optic cabling to the transceiver ports.

The following transceivers are supported:

- ◆ CLR4 100G
- ◆ LR4/LR4-lite 100G
- ◆ CWDM4 100G
- ◆ OpenOptic 100G
- ◆ If you are using twinax copper cables (DAC cables) for port connections, connect the QSFP28 transceivers on the end of the DAC cables directly into the QSFP28 slots.

The QSFP28 ports can be configured as single-lane 100G mode, dual-lane 50G mode, single-lane 40G mode, four-lane 25G mode, or four-lane 10G mode. The following cable types are supported:

- ◆ 100 GbE to QSFP28 100 GbE cable: 1 m, 2 m, and 3 m
- ◆ 100 GbE to 2xQSFP28 50 GbE split cable (Y-cable): 1 m, 2 m, and 3 m
- ◆ 100 GbE to 4xSFP28 25 GbE fanout cable: 1 m, 2 m, and 3 m

## Hardware Specifications

### System Chassis

Size (WxDxH)	440 x 507 x 44 mm (17.32 x 19.97 x 1.73 inches)
Weight	10.2 kg (22.49 lb)
Temperature	Operating: 0° C to 40° C (32° F to 104° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 5% to 95% (non-condensing)
Power Consumption	574 Watts maximum

### AC 1100W PSU

Power Rating	100–240 VAC, 50–60 Hz, 1100 W
AC Input	100-240 VAC, 50-60Hz, 12-5A per PS

### Regulatory Compliances

Emissions	EN 55032:2015+AC:2016, Class A EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC Class A CISPR 32:2015 RCM EAC KCC CCC GB/T9254-2008 (Class A)
Immunity	EN 55024:2010+A1:2015 IEC 61000-4-2/3/4/5/6/8/11
Safety	UL (CSA 22.2 No 60950-1 & UL60950-1; CSA 22.2 No 62368-1 & UL62368-1) CB (IEC/EN60950-1 & IEC/EN 62368-1) CCC GB4943.1-2011 BSMI CNS 14336-1

## Power and Battery Safety



**Warning:** If your device uses a lithium battery, do not attempt to replace the battery yourself. Return the device to the manufacturer for battery replacement.

**Avertissement:** Si votre appareil utilise une batterie au lithium, n'essayez pas de remplacer la batterie vous-même. Renvoyez l'appareil au fabricant pour le remplacement de la batterie.



If the device contains lithium batteries that are encased in a sealed chassis, do not attempt to open the sealed chassis under any circumstances.

Si l'appareil contient des batteries au lithium enfermées dans un châssis scellé, n'essayez en aucun cas d'ouvrir le châssis scellé.



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

Risque d'explosion si la batterie est remplacée par un type incorrect. Éliminez les piles usagées conformément aux instructions.



**Caution - Risk of Electrical Shock:** To disconnect power, remove all power cords from the unit.



**Attention - Risque de Choc Électrique:** Pour débrancher, l'alimentation électrique, veuillez assurer tous les câbles d'alimentation sont retirés de l'unité.



注意 - 感電の危: 電源を切る場合は、電源コ-トを本装置から抜いてください。  
注意 - 有觸電的危險: 如要切斷電源, 請將全部電源線都從機器上拔掉  
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