



## Technical Specifications

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## System Specifications

*Table 1: Physical Specifications*

Description	Specification
<b>Physical (Cisco UCS 6332)</b>	
Dimensions (H x W x D)	1.72 in. x 17.3 in. x 22.5 in. (4.4 cm x 43.94 cm x 57.1 cm)
Weight (with two power supplies installed)	22 lb (9.97 kg)
<b>Physical (Cisco UCS 6332-16UP)</b>	
Dimensions (H x W x D)	1.72 in. x 17.3 in. x 22.5 in. (4.4 cm x 43.94 cm x 57.1 cm)
Weight (with two power supplies installed)	22.61 lb (10.25 kg)
<b>Environmental</b>	
Temperature, operating	32 to 104°F (0 to 40°C)
Temperature, nonoperating	-40 to 158°F (-40 to 70°C)
Humidity (RH), noncondensing	5 to 95%
Altitude	0 to 10000 ft (0 to 3000 m)

# Power Specifications

Cisco UCS 6300 Fabric Interconnects support AC, DC, or HVDC power supplies. You must use identical power supplies—either two AC, two DC, or two HVDC power supplies— with the fabric interconnect. In addition, if you use DC or HVDC power supplies, you must use two corresponding DC or HVDC power cords.



**Note** You cannot mix power supply types in a Cisco 6300 Series Fabric Interconnect.

**Table 2: Specifications for the Cisco UCS 6300 Series AC Power Supply(UCS-PSU-6332-AC)**

AC Power Supply Properties	Cisco UCS 6300 Series Fabric Interconnect
Maximum output per power supply	650 W
Input voltage	100 to 240 VAC
Maximum AC input current	7.6 A @ 100 VAC 3.65 A @ 208 VAC
Maximum holdup time	12 ms @50% load
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
RoHS compliance	Yes
Hot swappable	Yes
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum Certified)

**Table 3: Specifications for the Cisco UCS 6300 Series DC Power Supply (UCS-PSU-6332-DC)**

DC Power Supply Properties	Cisco UCS 6300 Series Fabric Interconnect
Maximum output per power supply	930 W
Input voltage	-48 VDC
Maximum HVDC input current	23 A maximum @ -48 VDC
Maximum holdup time	8 ms @ 50% load
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
RoHS compliance	Yes

DC Power Supply Properties	Cisco UCS 6300 Series Fabric Interconnect
Hot swappable	Yes
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum Certified)

**Table 4: Specifications for the Cisco UCS 6300 Series HVDC Power Supply (N9K-PUV-1200W)**

HVDC Power Supply Properties	Cisco UCS 6300 Series Fabric Interconnect
Maximum output per power supply	1230 W
Input voltage	240 to 380 VDC
Maximum HVDC input current	6 A
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
RoHS compliance	Yes
Hot swappable	Yes
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum Certified)

## Transceiver Specifications

**Table 5: General Specifications for the 10-Gigabit Ethernet SFP+ Transceiver Module**

Description	Short Range	
Connector type	LC	
Wavelength	850 nm	
Core size—Cable distance	50 microns—300 m	62.5 microns—33 m

## Environmental Conditions and Power Requirements Specification for SFP Transceivers

**Table 6: Environmental Conditions and Power Requirements Specifications for SFP Transceivers**

Parameter	Symbol	Minimum	Maximum
Storage temperature <sup>1</sup>	TS	-40°C (-40°F)	85°C (185°F)

Parameter	Symbol	Minimum	Maximum
Case temperature <sup>2</sup>	TC	0°C (32°F)	70°C (158°F)
Relative humidity <sup>2</sup>	RH	5%	95%
Module supply voltage <sup>2</sup>	VCCT,R	3.1 V	3.5 V

<sup>1</sup> Absolute maximum ratings are those values beyond which damage to the device may occur if these limits are exceeded for other than a short period of time.

<sup>2</sup> Functional performance is not intended, device reliability is not implied, and damage to the device may occur over an extended period of time between absolute maximum ratings and the recommended operating conditions.

## General Specifications for Cisco Fibre Channel SFP Transceivers

The table below lists the general specifications for Cisco Fibre Channel SFP transceivers at 4 Gbps.

**Table 7: General Specifications for Cisco Fibre Channel SFP Transceivers at 4 Gbps**

Description	Short Wavelength	
Connector type	LC	
Wavelength	850 nm	
Fibre type	MMF	
Core size—Cable distance	50 microns—328.08 yd (300 m)	62.5 microns—164.04 yd (150 m)
Transmit power	-9 to -2.5 dBm	

<sup>3</sup> Approximate; actual distance may vary depending on fiber quality and other factors.

## Environmental Conditions and Power Requirements Specification for SFP Transceivers

**Table 8: Environmental Conditions and Power Requirements Specifications for SFP Transceivers**

Parameter	Symbol	Minimum	Maximum
Storage temperature <sup>4</sup>	TS	-40°C (-40°F)	85°C (185°F)
Case temperature <sup>2</sup>	TC	0°C (32°F)	70°C (158°F)
Relative humidity <sup>2</sup>	RH	5%	95%
Module supply voltage <sup>2</sup>	VCCT,R	3.1 V	3.5 V

<sup>4</sup> Absolute maximum ratings are those values beyond which damage to the device may occur if these limits are exceeded for other than a short period of time.

- <sup>5</sup> Functional performance is not intended, device reliability is not implied, and damage to the device may occur over an extended period of time between absolute maximum ratings and the recommended operating conditions.

