

Technical Specifications

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System Specifications

Physical Specifications

Table 1: Cisco UCS 6454 FI Physical Specifications

Description	Specification
Dimensions	• Height: 1.72 in. (44 mm) • Width: 17.3 In. (225 mm) • Length: 22.5 in. (571 mm)
Weight	22 lb (9.97 kg) (with two power supplies installed)

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Table 2: Cisco UCS 64108 FI Physical Specifications

Description	Specification
Dimensions	• Height: 3.38 in. (85.9 mm) • Width: 17.41 in. (442.3 mm) • Length: 24.14 in. (613.2 mm)
Weight	27.4 pounds (12.4 kg) (with two power supplies installed)

Environmental Specifications

Table 3: Cisco UCS 6400 Series FI Environmental Specifications

Description	Specification
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 Fabric Interconnect supports AC or DC power supplies. You must use identical power supplies—either two AC or two DC power supplies with the fabric interconnect. .

Note You cannot mix power supply types in a Cisco UCS Fabric Interconnect.

Note The Cisco UCS 6454 FI and the UCS 6300 Series FIs use the same 650 W AC power supplies, so the ordering PIDs are the same.

Table 4: UCS 6454 FI Only: 650 W AC Power Supply Specifications (UCS-PSU-6332-AC)

AC Power Supply Properties	Specification
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 5: UCS 64108 FI Only: 1200 W AC Power Supply Specifications (UCS-PSU-64108-AC)

AC Power Supply Properties	Specification
Maximum output per power supply	1200 W
Input voltage range	90 to 264 VAC
Maximum AC input current	11 A @ 100 VAC 7 A @ 200 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)

Note The Cisco UCS 6400 Series FIs and the UCS 6300 Series FIs use the same 930 W DC power supplies, so the ordering PIDs are the same.

Table 6: UCS 6400 Series FIs: 930 W DC Power Supply Specifications (UCS-PSU-6332-DC)

DC Power Supply Properties	Specification
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
Hot swappable	Yes
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum Certified)

Transceiver Specifications

Table 7: 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 8: Environmental Conditions and Power Requirements Specifications for SFP Transceivers

Parameter	Symbol	Minimum	Maximum
Storage temperature [1]	TS	-40°C (-40°F)	85°C (185°F)
Case temperature [2,]	TC	0°C (32°F)	70°C (158°F)
Relative humidity [2]	RH	5%	95%
Module supply voltage [2]	VCCT,R	3.1 V	3.5 V

[1] 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.

[2] 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 9: 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)

Description	Short Wavelength
Transmit power	-9 to -2.5 dBM

[3] Approximate; actual distance may vary depending on fiber quality and other factors.