Technical Specifications

Physical Specifications

The following are the physical characteristics of the chassis:

Table 1: Physical Characteristics of the Cisco Catalyst 6807-XL Switch Chassis

Physical Characteristic	Details
Dimensions (H x W x D)	17.5 x 17.36 x 18.10 inches (44.45 x 44.09 x 45.97 cm). • Chassis depth, including the cable guide is 23 inches (58.42 cm). • Chassis requires 10 RU[1]. • You can install the chassis in: ◦ 2-post or 4-post 19-inch standard equipment racks that meet ANSI/EIA 310-D, IEC 60297, and ETS 300-119 standards. These are available in the accessory kit. ◦ 2-post 23-inch equipment racks, where you install the chassis using center-mount brackets (to be ordered separately).
Weight	Chassis only: 65 lb (29.48 kg). Chassis fully configured with 2 supervisor engines, 5 switching modules, and 4 power supplies: 195 lb (88.45 kg)

1 The chassis height is sometimes measured in rack units (RU or just U), where 1 RU or 1 U equals 1.75 in (44.45 mm).

Related Topics

Rack-Mounting the Chassis

Chassis

Environmental Specifications

The following are the environmental specifications of the chassis:

Table 2: Environmental Specifications of the Cisco Catalyst 6807-XL Switch Chassis

Item	Environmental Specification
Operating temperature	Certified for operation: 32 to 104 °F (0 to 40 °C). Designed and tested for operation: 32 to 131 °F (0 to 55 °C). **Note** The Cisco Catalyst 6807-XL switches are equipped with internal air temperature sensors that are triggered at 104 °F (40 °C) generating a minor alarm and at 131 °F (55 °C) generating a major alarm.
Nonoperating and storage temperature	Chassis unpackaged: -4 to 149 °F (-20 to 65 °C). Chassis in protective shipping package: -40 to 158 °F (-40 to 70 °C).
Thermal transition	0.5 °C per minute (hot to cold). 0.33 °C per minute (cold to hot).
Ambient (noncondensing) operating humidity (RH)	5 to 90 percent.
Ambient (noncondensing) nonoperating and storage humidity	5 to 95 percent.
Operating altitude	Certified for operation: 0 to 6500 ft (0 to 2000 m). Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m) .
Shock and vibration	Shock • Operational—5 G 30 ms, half-sine (IEC 68-2-27). • Nonoperational—20 G, 7.5 ms, trapezoidal. Vibration • Operational—3 to 500 Hz. • Power Spectral Density (PSD)—0.0005 G2/Hz at 10 and 200 Hz. 5 dB/octave roll off at each end. 0.5 hours per axis (1.12 g).
Acoustic noise	67 dB. International Organization for Standardization (ISO) 7779: Bystander position operating to an ambient temperature of 86 °F (30 °C).

Related Topics

Rack-Mounting the Chassis
Chassis