



Technical Specifications

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Switch Specifications

Table 13 Cisco IE 5000 Switch Specifications

Environmental Ranges	
Operating temperature ¹	-40°C to +74°C <ul style="list-style-type: none"> ■ -40°C to +70°C (Vented Enclosure Operating) ■ -40°C to +60°C (Sealed Enclosure Operating) ■ -34°C to +74°C (100LFM or more Fan or Blower equipped Enclosure Operating) ■ -40°C to +85°C (Type Tested to +85°C for 16 hours)²
Storage temperature	-40 to 185°F (-40 to 85°C)
Relative humidity	5 to 95% (noncondensing)
Operating altitude	Up to 13,800 ft (3049 m)
Storage altitude	Up to 15,000 ft (4570 m)
Thermal spacing	1.75 in. (4.4 cm)
Operational shock	50G at 11ms, half sine and 200G at 2.11ms, half sine.
Non-Operational Shock	65-80G at 9ms, Trapezoidal
Physical Specifications	
Weight	13.7 lb (6.2 kg) (no power-supply module)
Dimensions (H x W x D)	1.75 x 17.5 x 15.0 in. (4.45 x 44.5 x 38.1 cm)

1. Operating temperatures exceeding 60°C are not covered by the product safety certifications and approvals. However, the switch can function in the installations under the environmental conditions listed.
2. The maximum operating temperature of the switch varies depending on the type of SFP module that you use.

Table 14 Cisco IE 5000 Switch Power Requirements

Power Requirements	
Nominal input voltage	PWR-RGD-AC-DC-H: 100 to 240 VAC, 50 to 60 Hz 100 to 250 VDC PWR-RGD-AC-DC-250: 100 to 240 VAC, 50 to 60 Hz 100 to 250 VDC PWR-RGD-LOW-DC-H: 24 to 60 VDC
Absolute maximum (short term) input voltage	PWR-RGD-AC-DC-H: 90 to 264 VAC, 50 to 60 Hz 90 to 300 VDC PWR-RGD-AC-DC-250: 90 to 264 VAC, 50 to 60 Hz 90 to 300 VDC PWR-RGD-LOW-DC-H: 18 to 75 VDC

Table 14 Cisco IE 5000 Switch Power Requirements (continued)

Power consumption with PWR-RGD-AC-DC-H (s)	Single Power Supply Module installed: No PoE ports on: 76W max/ 259.3 BTUs per hour 148W max / 505 BTUs per hour with maximum (4) PoE ports on,
	Two Power Supply Modules installed: PoE power consumption alone (12 ports poe): 215W max / 733.6 BTUs per hour.
	Complete system power including 12 ports poe: 291W max.
Power consumption with PWR-RGD-LOW-DC-H (s)	Single Power Supply Module installed:
	No PoE ports on: 76W max/ 259.3 BTUs per hour
	148W with maximum (4) PoE ports on, / 505 BTUs per hour
	Two Power Supply Modules installed: PoE power consumption alone (12 ports poe): 215W max / 733.6 BTUs per hour. Complete system power including 12 ports poe: 291W max.

Table 15 Cisco IE 5000 Switch PoE Power budget

PID	System Power	Available PoE Power				
	System Reserved	One 150W PSU	Two 150W PSU	One 250W PSU	One 150W PS + one 250W PSU	Two 250W PSU
IE-5000-12S12P-10G, IE-5000-16S12P	85W	65W	185W	165W	270W	360W
IE-4010-16S12P	70W	80W	200W	180W	285W	360W
IE-4010-4S24P	70W	80W	200W	180W	285W	385W

Power-Supply Module Specifications

Table 16 Power Supply Module Specifications

Physical Specifications	
Weight	
PWR-RGD-AC-DC-H	2.55 lb (1.15 kg)
PWR-RGD-LOW-DC-H	2.5 lb (1.13 kg)
PWR-RGD-LOW-DC-250	3.2 lb (1.45 kg)
Dimensions (H x W x D)	
PWR-RGD-AC-DC-H and PWR-RGD-LOW-DC-H	1.58 x 7 x 5 in. (4 x 17.8 x 12.7 cm) (without mounting flanges)
PWR-RGD-LOW-DC-250	1.58 x 7x 6.18 in. (4 x 17.8 x 15.7 cm) (with mounting flanges)

Alarm Ratings

Table 17 Alarm Input and Output Ratings

Alarm Ratings	
Alarm input electrical specification	No external voltage needed to activate alarm inputs. The open circuit voltage between any Alarm input (1 to 4) and Alarm input Common is 5VDC and the loop current is 2 mA max per input.
Alarm output electrical specification	30VDC @ 1A, 48VDC @ 0.5A