Technical Specifications

Router Specifications

Table 1: Cisco Catalyst IR8340 Rugged Series Router Specifications

Environmental Ranges	
Operating temperature	-40°C to +60°C
Storage temperature	–40 to 185°F (–40 to 85°C)
Relative humidity	5 to 95% (noncondensing)
Operating altitude	Up to 10,000 ft (3048 m)
Physical Specifications	
Weight	Weight with 1 power supply (no modules): 24 lbs (10.9 kg)
	Typical weight fully configured with 2 power supplies 4 modules, timing module: 28 lb (12.7 kg)
Dimensions (H x W x D)	3.5 x 17.25 x 15 in. (88.9 x 438.2 x 381 mm)

Table 2: Cisco IR8340 Router Power Requirements

Power Requirements	
Nominal input voltage	PWR-RGD-AC-DC: 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: 24 to 60 VDC

Table 3: Power Consumption

Description	Specification
System power consumption (with no modules and POE)	Typical : 60W, Max : 86W
T1/E1 NIM power consumption	Typical : 6W, Max : 7W
RS232 NIM Power consumption	Typical : 6W, Max : 7W

Power-Supply Module Specifications

Table 4: Power Supply Module Specifications

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

Alarm Ratings

Table 5: 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 2) 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

Alarm Ratings