



Technical Specifications

Provides router, port, cabling specifications, and power adapters for the device.

- [Router Specifications, on page 1](#)

Router Specifications

The following information lists the operational limits of the Cisco IR807. Operating the router outside of the limits specified is not supported.

Table 1: Physical Characteristics

Description	Design Specification
Dimensions (H x W x D)	(height x width x depth x) are 1.85" x 5.07" x 4.50" (4.69 x 12.85 x 11.43 cm).

Table 2: Environmental Operating Ranges

Description	Design Specification
Operating Temperature and Altitude	-40° to 140°F (-40° to 60°C) in a sealed NEMA cabinet with no airflow -40° to 158°F (-40° to 70°C) in a vented cabinet with 40 lfm of air -40° to 167°F (-40° to 75°C) in a forced air enclosure with 200 lfm of air (type tested at +85C for 16 hours) NOTE: This product has been safety certified up to 60C maximum ambient. -500 to 5,000 feet. Derate max operating temperature 1.5°C per 1000 feet. 10,000 ft maximum
Operating Altitude	13,800 ft. (4206m)
Humidity	5% — 95% non-condensing

Table 3: Environmental Tests

Description	Design Specification
Vibration	IEC 61850-3, IEEE 1613
Shock	Half Sine (operating) Duration = <2 ms Velocity = 2.39 m/s Number of shocks: A series of 6 shocks, one on each side. IEEE 1613 and IEC61850-3 NUP T2 shock testing, non-NEBS 3396

Table 4: Certifications

Description	Design Specification
Standard Safety Certifications	UL 60950-1, 2nd edition CAN/CSA C22.2 No. 60950-1, 2nd edition EN 60950-1, 2nd edition CB to IEC 60950-1, 2nd edition with all group differences and national deviations
EMC Emissions	EN55022/CISPR22, CFR 47 Part 15, ICES003, VCCI-V-3, AS/NZS CISPR22, CNS13438, EN300-386, EN61000-3-2, EN61000-3-3, and EN55032/CISPR32
EMC Immunity	EN55024/CISPR24, (EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11), EN55035/CISPR35, and EN300-386
Cellular Radio	EN 301 908-1, EN 301 908-2, EN 301 511, and EN 301 908-13
Compliance	IP30 compliant when vertical and cables downward.
Radio Immunity	EN301 489-1, EN 303 413, EN 301 489-19, EN 301 489-52, and EN 62311

Table 5: Transportation/Storage Conditions

Description	Design Specification
Temperature	-40 to +85°C (-40 to +185°F)
Humidity	10 – 95%
Altitude	4570 m (15,000 ft)

Table 6: Router DC Power Adapter

Description	Design Specification
Input Voltage	Nominal voltage: 12V to 48V DC Absolute: 9.6 to 60V DC input
Maximum Power Consumption	10 Watts

Table 7: Country Marks

Description	Design Specification
Country marks	FCC, CE, BSMI, IC

Table 8: Hazardous Locations

Description	Design Specification
Hazardous Locations	<ul style="list-style-type: none"> • ANSI/ISA 12.12.01 (Gas groups A-D) • CSA 22.2 No 213 (Gas groups A-D) • UL/CSA 60079-0, -15 (Class I, Zone 2, Gas groups IIC) • IEC 60079-0, -15 IECEx test report • EN 60079-0, -15 ATEX certification (Class I, Zone 2, Gas groups IIC)

