



# Technical Specifications

## Chassis Specifications

Table A-1 lists specifications for the Cisco IAD1101 integrated access device.

**Table A-1 Cisco IAD1101 Specifications**

Description	Specifications
Physical Characteristics of the Chassis	Dimensions: (HxWxD) 1.75 x 17.5 x 12 in. Weight: 11 lb
Environmental	Operating Temperature: 0 to +40°C Operating Humidity: 10 to 85% noncondensing
Storage Environmental	Storage Temperature: -20 to +65°C Storage Humidity: 5 to 95% noncondensing
AC input voltage range	100 to 120 VAC (60Hz) 200 to 240 VAC (50Hz)
AC current rating (input)	Maximum current: 1.5A
DC input voltage ranges	-42.5 to -56 VDC, 5A fused
DC current rating (input)	Maximum current: 1.2A

## Regulatory Approval Requirements

Table A-2 lists regulatory approval requirements for the Cisco IAD1101.

**Table A-2 Cisco IAD1101 Regulatory Approval Requirements**

Regulatory Requirement	Approval Agency
Safety	UL1950, CSA C22.2
Emission	FCC Part 15, Class B
Telcordia Technologies (formerly Bellcore)	GR-303, GR-308, TR-57, GR-253, GR-63, SR-3580, GR-1089, GR-436, GR-1244, TR-487, ANSI T1.101
NEBS	NEBS compliant

# Battery Box Specifications

A single battery box contains four 12 VDC batteries connected in series, generating -48 VDC. The resulting current is used for backup power to the Cisco IAD1101 chassis.

**Table A-3 Battery Box Specifications**

Physical Characteristics	Dimensions: (HxWxD) 8.8 x 8.3 x 6.2 in. Weight: 49 lb
Nominal Voltage	12V
Rated Capacity	12 Ah
Internal Resistance	14 Mohm
Maximum short-duration discharge current	180A
Maximum charging current	600 mA
Charging voltage	Standby: 13.5 to 13.8 V (-20V/°C) Cyclic: 14.4 to 15.0 V (-30V/°C)
Battery backup time	Maximum 8 hr (24 FXS circuits at 18 CCS)
Battery charge time	24 hr