

Hardware Specifications

Cisco 6705 Integrated Access Device Specifications

Table A-1 lists specifications for the Cisco 6705 integrated access device.

Table A-1 Cisco 6705 Specifications

Physical Characteristics of the Chassis	Dimensions: (HxWxD) 10.5" x 8.7" x 12.0" Weight: 14 lb with BPS/AC service module
Battery Backup Unit	Dimensions: (HxWxD) 8.8" (1U) x 8.3" x 6.2" Weight: 49 lb
Environmental	Operating Temperature: -40°C to +65°C Humidity 5% to 95% noncondensing
AC input voltage range	105 to 240 VAC (50/60Hz)
AC current rating (input)	Maximum current: 2A @ 120 VAC, 1A @ 240 VAC
DC input voltage ranges	-42.5 to -56 VDC
DC current rating (input)	Maximum current: 2.4A @ -48VDC
System timing	Recovered timing from DS1, T1-2-V35, STS-1 input Stratum 3 or Stratum 4 clock on MCC provides holdover according to the corresponding Stratum level requirements during loss of synchronization

Power Requirements

The base power configuration of a Cisco 6705 (one BPS-AC module and one MCC-INT module) is 30 watts. The typical power consumption of a Cisco 6705 is 100 watts with an added T1-2-V35 module.

Table A-2 Service Module and Line Interface Module Power Requirements

Service Module	Power in Watts	Amps @ -48VDC
BPS-AC	20	0.42
MCC-INT	20	0.42
BRG	26 ¹	0.54

*ALPHA DRAFT - CISCO CONFIDENTIAL***Table A-2 Service Module and Line Interface Module Power Requirements**

Line Interface Module	Power in Watts	Amps @ -48VDC
MTAC/MLT	12	0.25
DSX1/8	10	0.21
DSX3/CHNL	11	0.23
FXS/16 ²	16	0.33
RPOTS/8 ²	11	0.23
RPOTS/12 ²	14	0.29
RPOTS/16 ²	16	0.58
ISDN-BRI/8	7	0.21
MSDSL-2W	15	0.23
OC3c-UNI	12	0.33
RPOTS/16	30	0.54
RUVG/8 ²	11	0.23
T1-2-V35	10	0.21
STSX1/CHNL	11	0.23

1. 20 REN load (BRG Card)

2. 50% off hook

Standards and Regulatory Compliance

- Telcordia TR-008-CORE and GR-303-CORE
- Telcordia GR-253-CORE
- Telcordia GR-436-CORE and GR-1244-CORE, ANSI T1.101, Synchronization
- Telcordia GR-0063-CORE, NEBS - including FCC and UL
- Telcordia GR-1089-CORE
- Telcordia GR-2837
- Telcordia GR-1400
- Telcordia TR-NWT-000393
- Telcordia TR-NWT-0039
- Telcordia GR-499-CORE
- Telcordia TR-TSY-000191
- Telcordia TR-NWT-000057
- Telcordia TR-NWT-000397
- Telcordia TA-NWT-000909
- Telcordia TR-415
- Telcordia TR-418
- Telcordia TR-485

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- ANSI T1.601, 1992
- IEEE 455-1986
- CB119

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 6705 chassis.

Table A-3 Battery Box Specifications

Nominal Voltage	12V
Rated Capacity	12 Ah
Weight	4.2 kg
Internal Resistance	14 Mohm
Maximum short-duration discharge current	180A
Maximum charging current	600 mA
Charging voltage	Standby: 13.5V to 13.8V (-20V/°C) Cyclic: 14.4V to 15.0V (-30V/°C)

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