



Specifications

This appendix contains the following major sections that list specifications for the Cisco 11000 Series Content Services Switches (CSS 11050, CSS 11150, and CSS 11800):

- [Electrical Specifications](#)
- [Environmental Specifications](#)
- [Physical Specifications](#)
- [Module Specifications](#)
- [Internal Disk Module Specifications](#)
- [Supported Protocols](#)
- [DC Power Supply Safety Warnings](#)
- [Lithium Battery Disposal Warnings](#)

Electrical Specifications

[Table A-1](#) describes the CSS 11050, CSS 11150, and CSS 11800 AC electrical specifications.



Note

The specification for the CSS 11800 is for the system, not per power supply.

Table A-1 AC Electrical Specification

| AC Specification | CSS 11050 or CSS 11150 | CSS 11800 |
|-----------------------------|-------------------------------|-------------------------------|
| Input Voltage AC | 100 to 240 VAC 50 to 60 Hz | 100 to 240 VAC 50 to 60 Hz |
| Current AC (max @ 100VAC) | 3.1 Amps | 12 Amps |
| Power Consumption (maximum) | 310 Watts | 1200 Watts |
| Heat Dissipation | 683 BTU/hr | 3073 BTU/hr |

[Table A-2](#) describes the CSS 11150 and CSS 11800 DC electrical specifications.



Note

The specification for the CSS 11800 is for the system, not per power supply.

Table A-2 DC Electrical Specifications

| DC Specification | CSS 11150 | CSS 11800 |
|-----------------------------|--------------------|--------------------|
| Voltage DC | -48.0 to -60.0 VDC | -48.0 to -60.0 VDC |
| Current DC (maximum) | 8 Amps | 25 Amps |
| Power Consumption (maximum) | 300 Watts | 970 Watts |
| Heat Dissipation | 683 BTU/hr | 3073 BTU/hr |

AC Power Cord Country Requirements

The CSS AC power cord is a three-prong IEC 320-C13 plug that grounds the unit and polarizes the connection. [Table A-3](#) lists country requirements for plug types and ratings.

Table A-3 AC Power Cord Country Requirements

| Country | AC Power Cord Type and Rating |
|--------------|-------------------------------------|
| Australia | AS 3112-1981 10A/240 VAC |
| Austria | CEE7 Sht V11 16A/240 VAC |
| Belgium | CEE7 Sht V11 16A/240 VAC |
| British | BS 1363A 13A/250 VAC |
| Canada | NEMA 5-15P 12A/125 VAC |
| China | AS 3112-1981 10A/240 VAC |
| Denmark | SRAF 1962/DB 16/87 10A/250 VAC |
| Finland | CEE7 Sht V11 16A/240 VAC |
| France | CEE7 Sht V11 16A/240 VAC |
| Germany | CEE7 Sht V11 16A/240 VAC |
| India | BS 546A 16A/250 VAC |
| Israel | S.I. 32 16A/250 VAC |
| Italy | CEI 23-16 10A/250 VAC |
| Japan | JIS 8303 12A/125 VAC |
| Netherlands | CEE7 Sht V11 16A/240 VAC |
| Norway | CEE7 Sht V11 16A/240 VAC |
| South Africa | BS 546A 16A/250 VAC |
| Sweden | CEE7 Sht V11 16A/240 VAC |
| Switzerland | ASE 1011 (1959) Type 12 10A/250 VAC |
| U.S.A. | NEMA 5-15P 12A/125 VAC |

Environmental Specifications

Table A-4 describes the CSS 11050, CSS 11150, and CSS 11800 environmental specifications.

Table A-4 Environmental Specifications

| Specification | CSS 11050 or CSS 11150 | CSS 11800 |
|-------------------------------|-----------------------------|-----------|
| Ambient Operating Temperature | 32 to 104° F (0 to 40° C) | |
| Relative Humidity | 5 to 95% (non-condensing) | |
| Ambient Storage Temperature | 23 to +149° F (-5 to 65° C) | |

Physical Specifications

Table A-5 describes the CSS 11050, CSS 11150, and CSS 11800 physical specifications.

Table A-5 Physical Specifications

| Specification | CSS 11050 or CSS 11150 | CSS 11800 |
|---------------------------------|------------------------|---|
| Chassis Dimensions (H x W x D) | 2.62" x 17.1" x 15" | 25.25" x 17.1" x 12.5" |
| Chassis Shipping Weight | 23 lbs. | 105 lbs. (base system containing one power supply, one SFM or SFM2, one SCM, IDM) |
| Chassis Weight Fully Configured | 16 lbs. | 72 lbs. (base system containing one power supply, one SFM or SFM2, one SCM, IDM) |

Module Specifications

Table A-6 describes module general specifications.

Table A-6 *Module General Specifications*

| Specification | CSS 11050 or CSS 11150 | CSS 11800 |
|-----------------------------|--|---|
| Slot Configuration | Fixed configuration | 8 slots for I/O modules 2 slots for SCMs (1 active, 1 passive) 4 slots for SFMs or SFM2s (2 active, 2 passive) 1 slot for the IDM |
| Switch Bandwidth | 5 GB | 20 GB (base) 20 GB 1:1 optional redundancy |
| CPU Memory (DRAM) | CSS 11050 128 MB CSS 11150 128 MB (base) with a maximum of 256 MB | Switch Control Module 128 MB Switch Fabric Module (SFM or SFM2) 256 MB (128 MB per Switch Fabric Processor) |
| Common Packet Memory (SRAM) | Per System 6 MB | Switch Control Module Per System 12 MB |

Internal Disk Module Specifications

This section provides the following specifications for the Internal Disk Module (IDM).

- Power
- General

IDM Power Requirements

[Table A-7](#) describes the IDM power requirements.

Table A-7 IDM Power Requirements

| Power Requirements | Internal Disk Module |
|--------------------|----------------------|
| +12V +/- 5% | 1.2 Amps Max |
| +5V +/- 5% | .5 Amps Max |

IDM General Specifications

[Table A-8](#) defines IDM general specifications.

Table A-8 IDM General Specifications

| Specification | Hard Disk | Flash Disk |
|---------------|-----------------|----------------|
| Capacity | 1.08 GB minimum | 350 MB minimum |
| Interface | EIDE or ATA-3 | IDE |

Supported Protocols

The CSS supports the following protocols:

- Transport
- Network
- Routing
- Gateway
- Application
- Network Utilities
- Network Management

Transport

The CSS supports the following transport protocols:

- TCP
- UDP

Network

The CSS supports the following network protocols:

- Internet Protocol (IP)
- ICMP
- Address Resolution Protocol (ARP)
- Inverse ARP

Routing

The CSS supports the following routing protocols:

- RIP I
- RIP II
- OSPF Version 2

Gateway

The CSS supports Network Address Translation (NAT), per RFC 1631 gateway protocol.

Application

The CSS supports the following application protocols:

- HTTP 1.0, HTTP 1.1
- TELNET
- FTP, TFTP
- RTP

Network Utilities

The CSS supports the following network utility protocols:

- DNS Client
- Radius Client
- HTTP Client
- FTP Daemon

Network Management

The CSS supports the following network management protocols:

- SNMP v1
- SNMP v2

DC Power Supply Safety Warnings



Warning

The DC power supply must be installed in restricted access areas only (for example, dedicated equipment rooms, equipment closets) in accordance with articles 110-16, 110-17, and 110-18 of the national electric code, ANSI/NFPA 70. Connect a DC CSS 11150 or CSS 11800 to a -48 VDC source that is electrically isolated from the AC power source and is reliably grounded to earth.

This equipment is designed to permit the connection of the grounded conductor of the DC supply circuit to the grounding conductor at the equipment. If this connection is made, all of the following conditions must be met:

- This equipment shall be connected directly to the DC supply system grounding electrode conductor or bonding jumper from a grounding terminal bar or bus to which the DC supply system grounding electrode conductor is connected.
- This equipment shall be located in the same immediate area as any other equipment that has a connection between the grounded conductor of the same DC supply circuit and the grounding conductor, and also the point of grounding of the DC system. The DC system shall not be grounded elsewhere.
- The DC supply source is to be located within the same premises as the equipment.
- There shall be no switching or disconnecting devices in the grounded circuit conductor between the DC source and the point of connection of the grounding electrode conductor.



Warning

A readily accessible disconnect device must be provided in the fixed wiring for a DC power supply. It must be suitable for the rated voltage and current specified.

Lithium Battery Disposal Warnings

The SCM contains a small lithium battery. Some jurisdictions restrict the ways in which items containing lithium batteries may be disposed. In particular, lithium batteries or products containing lithium batteries may never be disposed of in an unregulated fire. Other restrictions might apply.



Warning

Ultimate disposal of this product should be handled according to all national laws and regulations.

Waarschuwing

Dit produkt dient volgens alle landelijke wetten en voorschriften te worden afgedankt.

Varoitus

Tämän tuotteen lopullisesta hävittämisestä tulee huolehtia kaikkia valtakunnallisia lakeja ja säännöksiä noudattaen.

Attention

La mise au rebut définitive de ce produit doit être effectuée conformément à toutes les lois et réglementations en vigueur.

Warnung

Dieses Produkt muß den geltenden Gesetzen und Vorschriften entsprechend entsorgt werden.

Avvertenza

L'eliminazione finale di questo prodotto deve essere eseguita osservando le normative italiane vigenti in materia.

Advarsel

Endelig disponering av dette produktet må skje i henhold til nasjonale lover og forskrifter.

| | |
|----------------------|--|
| Aviso | A descartagem final deste produto deverá ser efectuada de acordo com os regulamentos e a legislação nacional. |
| ¡Advertencia! | El desecho final de este producto debe realizarse según todas las leyes y regulaciones nacionales. |
| Varning! | Slutlig kassering av denna produkt bör skötas i enlighet med landets alla lagar och föreskrifter. |

■ Lithium Battery Disposal Warnings