



Technical Specifications

This section provides the technical specifications for the Catalyst 4224 Access Gateway Switch.

This section includes the following topics:

- [Catalyst 4224 Specifications, page A-1](#)
- [Redundant Power Supply Specifications, page A-3](#)

Catalyst 4224 Specifications

[Table A-1](#) lists the Catalyst 4224 specifications.

Table A-1 Technical Specifications for the Catalyst 4224 Access Gateway Switch

Item	Specification
Environmental	
Temperature ambient operating	32°F (0°C) to 104°F (40°C)
Temperature ambient nonoperating and storage	-13 to 158°F (-25 to 70°C)
Relative humidity	5-90% noncondensing
Operating altitude	Up to 6500 ft (2000m)

Table A-1 Technical Specifications for the Catalyst 4224 Access Gateway Switch (continued)

Item	Specification
Switching Components	
Processor Type	MPC8260 with 200-MHz 603e core
Performance	35,000 pps @ 64-byte Layer 3, 3.3-Mpps Layer 2 switch
Flash memory	32 MB
System memory (DRAM)	64 MB
VIC/WIC slots	2 (first and second slot support VIC or WIC cards)
VIC slots	1 (third slot is VIC only)
Console port	1 (up to 115.2 kbps)
10BASE-T/100BASE-TX management port	1
Onboard LAN ports	24 10BASE-T/100BASE-TX auto-sensing full-duplex ports
Onboard FXS ports	8 (RJ-21 connector)
Redundant Power Supply Support (RPS 300)	Yes
MAC addresses	1024
Hardware encryption	Included onboard
Rack-mounting	Yes
Physical Characteristics	
Dimensions (H x W x D)	3.42 x 17.17 x 14.3 in.
Weight (without VIC/WIC cards)	16.5 lb (7.6 kg)
AC Power	
Power supply	240W -12V/-48V AC-DC supply
Output	12V @ 8A, -48V @ 3A
AC-input voltage	100 to 240VAC
Frequency	50 to 60Hz
AC input current	4A max @ 100VAC; 2A max @ 240VAC
Airflow	Right side in, left side out

Redundant Power Supply Specifications

Table A-2 lists the technical specifications for the Cisco RPS 300 (model PWR300-AC-RPS-N1).

Table A-2 Technical Specifications for the Cisco RPS 300

Item	Specification
Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°C)
Storage temperature	-13 to 158°F (-25 to 70°C)
Operating humidity	10 to 85% (noncondensing)
Storage humidity	5 to 95% (noncondensing)
Operating altitude	Up to 10,000 ft (3,000 m)
Storage altitude	Up to 15,000 ft (4,570 m)
Power Requirements	
AC input voltage	85 to 264 VAC 50 to 60 Hz
Power consumption: Total	144W per 48 VDC output and 156W per 12 VDC output Maximum for both outputs: 300W, continuous
Per channel	150W per channel maximum
Physical Dimensions	
Weight	10.5 lb (4.7 kg)
Dimensions (H x W x D)	1.75 x 17.5 x 12 in. (4.45 x 44.45 x 30.48 cm)

Redundant Power Supply Specifications