

Technical Specifications

This appendix contains technical specifications for the following Cisco Access Server 5100 components:

- Chassis and power supply
- AS51 NAC and NIC
- Quad modem NAC and NIC
- T1 NAC and NIC
- Network management NAC
- Network management Ethernet NIC

Table A-1 Chassis and Power Supply Specifications

Specification	Description
Access Server 5100 chassis capacity	Up to 17 front-loaded NACs, and their associated rear-loaded NICs. Two power supplies (both are required)
Certification	Complies with FCC Part 15 Class A EMI/RFI requirements; complies with FCC Part 68 for nationwide telephone systems; listed by Underwriters' Laboratories (UL), approved by the Canadian Standards Association (CSA), and is Department of Communications (DOC) certified
Power requirements	DC power supply nominal -48 VDC (-42 VDC to -60 VDC) with respect to ground AC power supply nominal 120 V (90–132 VAC) @ 47–63 Hz, or strap-selectable nominal 240 V (180–264 VAC) @ 47–63 Hz
Power supply output (maximum)	330 W 45A @ +5.2V 2A @ -5 V 3.5A @ +12.2V 3.5A @ -12.2V
Power supply input (maximum)	470W 1604 Btus 4A (DC) 10A (DC)
Operating environment	Temperature: 32–104°F (0–40°C) Relative humidity: 0–95% noncondensing

Table A-2 AS51 NAC and NIC

Specification	Description
Power requirements (maximum)	4A @ +5 VDC, 6.75W 55 mA @ -5 VDC, 275 mW 50 mA @ +12 VDC, 600 mW 50 mA @ 12 VDC, 600 mW
Operating environment	Temperature: 32–104°F (0–40°) Relative humidity: 0–95% noncondensing
Dimensions (L x H)	NAC: 12.45 x 6.4" (31.62 x 16.26 cm) NIC: 4.85 x 6.4" (12.32 x 16.26 cm)
Certification	Complies with FCC Part 15, UL-listed, CSA-approved

Table A-3 Quad Modem NAC and NIC

Specification	Description
Power requirements (maximum)	1.35A @ +5 VDC, 6.75W 55 mA @ -5 VDC, 275 mW 50 mA @ +12 VDC, 600 mW 50 mA @ 12 VDC, 600 mW
Operating environment	Temperature: 32–104°F (0–40°C) Relative humidity: 0–95% noncondensing
Dimensions (L x H)	NAC: 12.45 x 6.4" (31.62 x 16.26 cm) NIC: 4.85 x 6.4" (12.32 x 16.26 cm)
Certification	Complies with FCC Part 15, UL-listed, CSA-approved
Receive sensitivity	–44 dBm +2 dBm
Transmit level	–9 dBm maximum
Transmitter frequency tolerance	.01%

Table A-4 T1 NAC and NIC

Specification	Description
Power requirements	1.5A @ 5 VDC 0.1 A @ 12 VDC 5W
Dimensions (L x H)	NAC: 12.45 x 6.4" (31.62 x 16.26cm) NIC: 4.85 x 6.4" (12.32 x 16.26 cm)
Heat	17 Btus
Operating environment	Temperature: 32–104°F (0–40°C) Relative humidity: 0–95% noncondensing

Table A-5 Network Management NAC

Specification	Description
Power requirements (maximum)	3.5A @ +5 VDC 20 mA @ –5 VDC 50 mA @ +12 VDC 50 mA @ –12 VDC
Operating environment	Temperature: 32–104°F (0–40°C) Relative humidity: 0–95% noncondensing
Dimensions (L x H)	12.45 x 6.4" (31.62 x 16.26 cm)
Certification	Complies with FCC Part 15 Class A, FCC Part 68, UL-listed, CSA-approved, and DOC-certified

Table A-6 Network Management Ethernet NIC

Specification	Description
Power requirements	1.5A @ +5 VDC 50 mA @ +12 VDC 50 mA @ -12 VDC
Operating environment	Temperature: 32–104°F (0–40°C) Relative humidity: 0–95% noncondensing
Dimensions (L x H)	4.85 x 6.4" (12.32 x 16.26 cm)
Certification	Complies with FCC Part 15 Class A, FCC Part 68, UL-listed, CSA-approved, and DOC-certified
