

System Specifications

Following are the specifications for the router system:

Table B-1 System Specifications

Description	Design Specification
Dimensions H x W x D	1.75"¹ x 17.5" x 10.56" (4.44 cm x 44.45 cm x 26.82 cm)
Weight	10 lb (4.5 kg)
Input voltage, frequency, and power dissipation	100 to 240 volts alternating current (VAC) at 50 to 60 hertz (Hz) 40W (max.) 135.5 British thermal units (Btus)/hr
Processor	20-MHz Motorola 68EC030
Memory	1-MB primary memory (DRAM SIMMs, expandable to 4 or 16 MB) 1-MB shared memory (DRAM on board) 1-MB boot ROM (expandable) 4-MB system code (PROM or Flash) (expandable) 32-KB nonvolatile configuration RAM
Router Network interface options	1 Ethernet and 2 synchronous serial (2501) 1 Token Ring and 2 synchronous serial (2502) 1 Ethernet, 2 synchronous serial, and 1 BRI (2503) 1 Token Ring, 2 synchronous serial, and 1 BRI (2504) 1 Ethernet, 1 Token Ring, 2 synchronous serial (2513) 2 Ethernet, 2 synchronous serial (2514) 2 Token Ring, 2 synchronous serial (2515)

Description	Design Specification
Hub Network interface options	1 Ethernet, 2 synchronous serial, 8 hub (2505) 1 Token Ring, 2 synchronous serial, 8 hub (2506) 1 Ethernet, 2 synchronous serial, 16 hub (2507) 1 Token Ring, 2 synchronous serial, 16 hub (2508)
Access Server Network interface options	1 Ethernet, 2 synchronous serial, 8 asynchronous serial (2509) 1 Token Ring, 2 synchronous serial, 8 asynchronous serial (2510) 1 Ethernet, 2 synchronous serial, 16 asynchronous serial (2511) 1 Token Ring, 2 synchronous serial, 16 asynchronous serial (2512)
Ethernet interface	Attachment unit interface (AUI) IEEE 802.3 (DB-15)
Token Ring interface	IEEE 802.5 (DB-9)
Synchronous serial interfaces	EIA/TIA-232 ² , EIA/TIA-449, V.35, X.21 (NRZ/NRZI ³ and DTE/DCE ⁴) EIA-530 (NRZ/NRZI and DTE) All serial cables use a DB-60 chassis connector.
Asynchronous serial interfaces	EIA/TIA-232, EIA/TIA-449, with hardware flow control support. Asynchronous serial interfaces use the breakout cable (RJ-45)
BRI	ISDN Basic Rate S/T (RJ-45) (2503 and 2504 only)
Console and auxiliary ports	Asynchronous serial (RJ-45)
Operating environment	32 to 104°F (0 to 40°C)
Nonoperating temperature	–40 to 185°F (–40 to 85°C)
Operating humidity	5 to 95%, noncondensing
Noise level	34 dBa @ 3' (0.914 m)

1. 1.75" = One rack unit.

2. EIA/TIA-232 and EIA/TIA-449 were known as recommended standards RS-232 and RS-449 before their acceptance as standards by the Electronic Industries Association (EIA) and Telecommunications Industry Association (TIA).

3. NRZ = Nonreturn to zero. NRZI = Nonreturn to zero inverted.

4. DTE = Data terminal equipment. DCE = Data communications equipment.

B-2 System Specifications