

Cisco MC3810 Multiservice Concentrator Site Preparation Summary

System Specifications

Description	Specification
(Height x Width x Depth)	1.75 x 17.5 x 10.56 inch (44.4 x 444.5 x 268.2 mm)
Weight	Cisco MC3810: 10 lb. (4.5 kg)
Input power, AC version	100 to 240 VAC, 1A (max.), 50 to 60 Hz, 62W (max.)
Input power, DC version with internal DC power supply	-40 to -72 VDC, 1.5A (max.), 55W (max.)
Input power, DC version with external DC power supply (Cisco RPS)	+5 VDC, +12 VDC, -12 VDC, 40W (max.)
Processor	40-MHz Motorola MPC860MH PowerQUICC
Memory	16 MB of main memory (72-pin DRAM SIMM), can be upgraded to 32 MB 4-, 8-, or 16-MB of system code memory (80-pin Flash memory SIMM) 512 KB of boot Flash memory (32-pin PLCC) 2 MB of boot helper Flash memory
Ethernet interface	Ethernet 10BaseT, RJ-45
Synchronous serial interfaces (2)	EIA/TIA-232, DB-60 EIA/TIA-449, DB-60 V.35, DB-60 X.21, DB-60 EIA-530 (DTE only), DB-60
T1/E1 trunk interface	RJ-48
Analog voice interfaces	FXO and FXS, RJ-11 E&M, RJ-1CX
Digital voice interface	Digital PBX or channel bank, RJ-48
Administrative interfaces	Console port, RJ-45 Auxiliary port, RJ-45
Operating temperature	32 to 122 degrees F (0 to 50 degrees C)
Storage temperature	- 40 to 185 degrees F (- 40 to 85 degrees C)
Operating humidity	5 to 95%, noncondensing
Regulatory compliance	FCC Class B requirements and other compliance as outlined in the <i>Cisco MC3810 Multiservice Concentrator Regulatory Compliance and Safety Information</i> document shipped with your Cisco MC3810.

Power Requirements

The AC power supply includes the following features:

- Automatically operates at voltages meeting the range specification.
- All units include a 6-foot (1.8-meter) electrical power cord (a label on the power supply near the AC power connection indicates the voltage, frequency, and current draw for the unit).

Follow these precautions and recommendations when planning power connections to the Cisco MC3810:

- The installation must comply with all applicable codes.
- DC power connections must be made with copper conductors.
- Check the power at your site before installation and periodically after installation to ensure that you are receiving clean power. Install a power conditioner if necessary.
- Install an Uninterruptible Power Source (UPS) where possible.
- Install proper grounding to avoid damage from lightning and power surges.

Mounting Information

The location of the chassis is important for proper operation. Inadequate ventilation can cause malfunctions and shutdowns, and inadequate access can make maintenance difficult. The following information will help you to plan the location of the chassis:

- Plan for access to the front and rear panels of the chassis
- Ensure that the room where the chassis operates has adequate ventilation. Electrical equipment generates heat, and ambient air temperature may not cool equipment to acceptable operating temperatures without adequate ventilation.
- Rack mounting brackets for 19-inch racks are included as standard equipment; brackets for 24-inch racks are optional.
- The Cisco MC3810 can be rack mounted with either the front or rear panel forward.
- You can install the Cisco MC3810 on a desktop.
- You can attach the Cisco MC3810 to a wall using the brackets supplied.
- Detailed mounting instructions are included in the *Cisco MC3810 Multiservice Concentrator Installation Guide*.

Implementation Information

- Remote modem and/or network access is required to the routers during implementation to facilitate testing and verification.