

Specifications

Compliance

E1: ITU-T Rec. G.704 and G.706, G.736
 T1: AT&T TR-62411, ANSI T1.403-1989
 ITU-T Rec. G.703, G.704, and G.733
 Ethernet : IEEE 802.3, 802.1p, 802.1Q,
 802.3U

MANAGEMENT

Control Port

Interface: RS-232 sync DCE port
 Data Rate: 0.3, 1.2, 2.4, 4.8, 9.6, 19.2,
 38.4, and 57.6 kbps
 Connector: 9-pin D-type female

Ethernet Management Port

Type: 10BaseT
 Connector: 8-pin RJ-45

Management Options

Menu-driven interface with
 password-protected access, authorization
 levels, Telnet, RADview-EMS, SNMPv2:

- Out-of-band
- Inband, via the TDM main link ports
 using frame overhead or over a
 dedicated timeslot

DIAGNOSTICS

Tests

Local main link loopback
 Local main link loop towards remote unit
 Local and remote BERT on channels, ports,
 bundles, individual timeslots and
 individual bits in a timeslot
 Local and remote loopbacks on channels,
 ports, and timeslots
 Forward and remote tone injection in
 individual timeslots (voice channels
 only)
 IP connectivity check (ping)

Alarms

Time and date stamped
 Last 256 alarms stored in RAM on CL
 module, readable by management
 system or terminal
 Current alarms status

Statistics

AT&T statistics when using ESF framing
 for T1 trunks, or CRC-4 multiframing
 for E1 trunks
 Performance statistics for bundles and
 LAN ports

GENERAL

Environment

Operating temperature: -10°C to 55°C
 (14°F to 131°F)
 Storage temperature: -20°C to +70°C
 (-4°F to +158°F)
 Humidity: up to 95%, non-condensing
Note: Actual operating temperature range is
 determined by the specific modules installed in the
 chassis, and might require special ordering options.
 For extended operating temperature ranges,
 contact your local RAD Business Partner.

Physical

MP-2100 (4U-high)

2 power supply module slots
 2 CL module slots
 12 slots for I/O and ML modules
 Height: 18 cm (7 in) (4U)
 Width: 44 cm (17 in)
 Depth: 33 cm (13 in)
 Weight (fully loaded): less than 17 kg
 (37 lb)

MP-2104 (2U-high)

Built-in power supply (optional built-in
 voice ringer or ISDN power feeder is
 available)
 1 CL module slot
 5 slots for I/O and ML modules
 Height: 9 cm (3.5 in) (2U)
 Width: 44 cm (17 in)
 Depth: 33 cm (13 in)
 Weight (fully loaded): less than 6 kg
 (13 lb)

Megaplex-2100/2104

Modular Integrated Access Multiplexers

Power

Power Supply Input

110/115 VAC (85 to 150 VAC), 50/60 Hz
 220/230 VAC (150 to 264 VAC), 50/60 Hz
 -48 VDC (-36 to -57 VDC)
 -24 VDC (-18 to -40 VDC)
 24 VDC with floating ground (18 to 40 VDC)

MP-2100 (without Ringer)

Maximum Output Power:

- AC: 250W
- DC: 250W

Maximum Input Power:

- AC: 250W
- DC: 315W

Note: Maximum power consumption for a system with redundant power supplies is 250W.

MP-2104

Maximum Output Power

- AC: 120W
- DC: 120W
- AC w/Ringer: 300W
- DC w/Ringer: 290W

Maximum Input Power:

- AC: 160W
- DC: 160W
- AC w/Ringer: 300W
- DC w/Ringer: 350W

Ordering

Basic unit includes a chassis, single common logic module, single power supply and power supply cables. Main link and I/O modules are ordered separately (see separate module data sheets for details and ordering information).

RECOMMENDED CONFIGURATIONS

MP-2100/115/2UTP

Modular integrated access multiplexer, 4U chassis with 12 module slots and CL.2 common logic module, 115 VAC, 10BaseT management port

MP-2100/115/R/2UTP

Modular integrated access multiplexer, 4U chassis with 12 module slots and CL.2 common logic module, 115 VAC, redundant power supply and common logic, 10BaseT management port

MP-2100/230/2UTP

Modular integrated access multiplexer, 4U chassis with 12 module slots and CL.2 common logic module, 230 VAC, 10BaseT management port

MP-2100/230/R/2UTP

Modular integrated access multiplexer, 4U chassis with 12 module slots and CL.2 common logic module, 230 VAC, redundant power supply and common logic, 10BaseT management port

MP-2100/48/2UTP

Modular integrated access multiplexer, 4U chassis with 12 module slots and CL.2 common logic module, -48 VDC, 10BaseT management port

MP-2100/48/R/2UTP

Modular integrated access multiplexer, 4U chassis with 12 module slots and CL.2 common logic module, -48 VDC, redundant power supply and common logic, 10BaseT management port

MP-2100M-CL.2/UTP

Common Logic 2 for MP-2100, 10BaseT UTP Ethernet management port

MP-2104/115/2UTP

Modular integrated access multiplexer, 2U chassis with 5 module slots and CL.2 common logic module, 115 VAC, 10BaseT management port

MP-2104/230/2UTP

Modular integrated access multiplexer, 2U chassis with 5 module slots and CL.2 common logic module, 230 VAC, 10BaseT management port

MP-2104/48/2UTP

Modular integrated access multiplexer, 2U chassis with 5 module slots and CL.2 common logic module, -48 VDC, 10BaseT management port

SPECIAL CONFIGURATIONS

Please contact your local RAD partner for additional configuration options.

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