

Multiservice Enterprise Access (MEA)

MEA-240 MC-FE

Point-to-point transport module

Advanced System Design



As part of the MEA product suite, the MEA-240 MC-FE provides a transport mechanism that allows the delivery of aggregated TDM telephony and high-speed data services from the MEA-240H chassis. Using a single fiber pair, the MEA-240 MC-FE is used with the MEA-120F network termination unit in a point-to-point transport of enterprise services.

The front panel includes two TDM ports capable of dropping out up to 4 DS1/E1 (any amount greater than two requires a "Y" cable) and a single 100BaseT Ethernet interface. The two network uplinks use Small Form-Factor Pluggable (SFP) modules that enable you to choose the optic module for the application. With dual uplinks, you can deploy the MEA-240 MC-FE in a fiber path protected configuration. This optional protection feature may be used in the initial deployment, or added later.

You can configure and manage the MEA-240 MC-FE locally, via the craft interface on the MEA-240H chassis maintenance panel, or remotely through element management software. You can also collect performance and traffic statistics remotely on a connected MEA-120F. Integrated status LED indicators display the health of the link and the card.

Used in "media-converter" applications, the MEA-240 MC-FE provides cost-effective point-to-point transport of aggregated TDM telephony and high-speed Ethernet data over a fiber pair.

KEY FEATURES INCLUDE:

- Half-height card design
- High-density connector configuration
- DS1 telephony interfaces
- 100 Mb/s Ethernet interface
- Optional link protection
- SFP optical modules
- Diagnostic capabilities including local and remote loopback testing
- Configurable from local craft interface on MEA-240H



SPECIFICATIONS

DS1/E1 Service Interface

DS1 Connector	RJ-48, 100 Ohm balanced
E1 Connector	RJ-48, 120 Ohm balanced
Jitter Performance	G.823
Line Coding	HDB3, B8ZS, AMI
Compliance	ANSI T1.1, G.703

Ethernet Interface

100BaseT Connector	RJ-45
Auto-negotiate	
Full Duplex	
Compliance	IEEE 802.3

GENERAL

Dimensions	0.98" W x 3.6" H x 8.5" D (2.5 cm x 9.1 cm x 21.6 cm)
Weight	1.52 lbs. (1.8 kgs)
Power	88-264 VAC, 47-63 Hz
Power Consumption	16 watts max
Operating Temperature Range	0°C to +50°C
Storage Temperature Range	-30°C to +80°C
Altitude	-150' to 10,000'
Humidity	5-95% non-condensing

Certification

CE approved
 FCC part 15 class B, EN300-386 class B
 Laser Safety: EN60825-1, 21 CFR 1040

RELATED MEA Platform Equipment

Model Number	Description
MEA-SFP-100-LX10	MEA Platform SFP optical transceiver module, 10km
MEA-SFP-100-ZX20	MEA Platform SFP optical transceiver module, 20km
MEA-SFP-100-ZX40	MEA Platform SFP optical transceiver module, 40km
MEA-SFP-100-ZX60	MEA Platform SFP optical transceiver module, 60km
MEA-DS1/E1-YCABL	"Y" cable for extracting greater than two DS1/E1s from a MC-FE card
MEA-240H-CH	MEA-240H Rack mounted chassis
MEA-120F	MEA-120F Network termination unit

Specifications are subject to change without notice

MGBI



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