

Multiservice Enterprise Access (MEA)

MEA-120F

Managed Network Termination Unit (NTU)

Advanced System Design



As part of the MEA product platform, the MEA-120F is a manageable demarcation device for the delivery of aggregated TDM telephony and high-speed data services. Ideally suited for single tenant business locations, the MEA-120F is a fixed configuration device using a single fiber pair that has network, subscriber, and craft interfaces.

The rear panel includes four independent DS1/E1 interfaces, and a single 100BaseT Ethernet interface. The network uplinks use Small Form-Factor Pluggable (SFP) modules that enable you to choose the optic module required for the loss budget of the application. With dual uplinks you can deploy the MEA-120F in a fiber path protected configuration. This optional protection feature may be used in the initial deployment, or added later. There are also two communication ports located on the rear of the unit. The craft access port enables local configuration and testing of the MEA-120F. The RS232 serial port facilitates communication with other third-party equipment.

Configuration and management of the MEA-120F can be done locally, via the craft interface, or remotely over a management channel from another site that contains a MEA-240H chassis. Performance and traffic statistics can also be collected remotely from the MEA-240H for use in SLA management. In addition to the LED status indicators and alarm indication signal (AIS) generation, the MEA-120F supports remote loopback commands from the MEA-240H.

With the capability for diagnostic loopbacks and optical path protection, the MEA-120F provides an optimal solution for the delivery of aggregated TDM telephony and high-speed data services.

KEY FEATURES INCLUDE:

- Shelf or wall mounted
- DS1/E1 telephony interfaces
- 100Mb/s Ethernet interface
- Optional link protection
- SFP optical modules
- Diagnostic capabilities including local and remote loopback testing
- Configurable from local craft interface or remotely through MEA-240H

APPLICATIONS:

- Point-to point "media converter" transport of DS1/E1 telephony and 100 Mb/s Ethernet data signals



SPECIFICATIONS

DS1/E1 Service Interface

DS1 Connector	RJ-48c, 100 Ohm balanced
E1 Connector	RJ-48c, 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	11.6" W x 2.7" H x 6.1" D (29.5 cm x 6.8 cm x 15.5 cm)
Weight	4.0 lbs. (1.8 kg)
Mounting	Shelf or wall mounted
Power	90-260 VAC, 4-63 Hz
Power Consumption	17 watts max
Operating Temperature	0°C to +40°C
Storage Temperature	-30°C to +80°C
Altitude	-150' to 10,000'
Humidity	5-95% non-condensing

Certification

CE and UL 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-240-CH	MEA 240H rack mount chassis
MEA-240 MC-FE	MEA 240 100 Mb/s media-converter application module

Specifications are subject to change without notice.

MGBI

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