

ENTU 762F

ENTU 762G

MTR-17

Ethernet Network Termination Unit



- Comply with IEEE 802.3, 802.3u, 802.3ab and 802.3z Ethernet Standard
- Support IEEE 802.3ah In-band and TS 1000 OAM management
- Comply with IEEE 802.1q Tag VLAN
- Maximum Frame size 9K bytes
- Ethernet bandwidth Control
- Support Link status Transparent
- Support Flow Control, Auto-Cross over for MDI/MDIX on TP port
- LED indicators for ease of network diagnostic
- Firmware upgrade via HTTP
- Support Q-in-Q function
- Built-in IP-based WEB GUI configuration and maintenance
- Support WDM Bi-directional SFP module with specific wavelength for various distance
- Centralized management for CO-side equipment
- Prompt indication on network failure
- MTR-17 chassis supports 17 Line cards
- MTR-17 supports dual FAN and Power card for redundancy

Tainet's new Ethernet Network Terminal Unit Series allows the operator to separate each user's traffic and offer services such as inter-office LAN connectivity, Internet access and secure virtual private networks (VPNs). This approach extends the service over fiber, facilitating management of differentiated services up to the customer premises while ensuring service level agreement (SLA) enforcement.

ENTU 762F/G at the customer premises allows the operator to reach customer over fiber, while still providing a standard Ethernet copper connection, and being part of the operator's network, enables the converter to act as a demarcation point between the operator and the customer. Ethernet in the Local Loop reduces carrier expenses, since Ethernet ports are far less expensive than other options, Tainet's cost-effective, remotely-managed ENTU series is an ideal fiber solution for every carrier's Local Loop because it provides access regardless of the backbone technology, and cost saving which can be passed on by the carrier to consumers.

MTR-17 is a 2U high 19" rack, 17-slot modular media converter center. It is designed for high density fiber converter installations in central office or enterprises. All components, line cards, power, fans and LED module are hot swappable allowing online field replacement. MTR-17 operates with dual hot-swappable AC and DC power modules for load sharing and redundancy. The LED module indicates the status of dual power and fan modules. The insertion and removal for all individual modules will not affect any active services. MTR-17 provides the high density media conversions between 1000Base-X and 10/100/1000Base-T (ENTU 762C/GE), or between 100Base-FX and 10/100Base-T (ENTU 762C/FE). MTR-17 and ENTU series acts as a managed demarcation point, and will be the ideal and economic solution to reduce the expenses for operator.



Model

- ENTU 762G, Gigabit Ethernet NTU
- ENTU 762F, Fast Ethernet NTU
- MTR-17, 2U 19" Rack, 18 slots
 - Dual Hot Swappable Cooling Fan Modules (MTR-FAN)
 - Hot Swappable Redundant Power Modules (MTR-AC/DC)
 - LED Module for power and fan status (MTR-LED)
 - Max. 17 Line cards Supported
- Line card ENTU 762C/FE, ENTU 762C/GE

Network Interface

- Connector type: SFP-LC
- ENTU 762F: 100Base-FX SFP modules
- ENTU 762G: 1000Base-X SFP modules
- For detailed wavelength and distance of SFP modules, please refer to SFP Transceivers datasheet

User Interface

- Connector type: Shield RJ-45 jack
- ENTU 762F: 10Base-T/100Base-Tx
- ENTU 762G: 10Base-T/100Base-Tx/1000-BaseT
- Auto-MDI/MDIX detection
- Auto-negotiation for speed and duplex
- Full duplex / Half duplex support

Management & OAM Functions

- WEB GUI Configuration
- HTTP firmware upgrade
- RMON counter
- Reset button back to factory default
- Support IEEE 802.3ah Link Layer OAM
 - Auto discovery
 - Link monitoring
 - Remote loopback test
 - Remote fault detection
 - Link Fault Reflection
 - Dying Gasp
 - Critical Event

- Support TS-1000 OAM
 - Loopback test
 - Reset remote device
 - Get remote device information
 - Remote port setting

LED Indicators

- ENTU series:
 - PWR, ETH LINK/FULL SPD, LINK TP, RMT FAULT, OAM CO/LBK, OPT LINK/LOS
- MTR-LED:
 - PWR 1/2, FAN 1/2, ACT 1/2

Power Requirement

- ENTU 762F/G: 12VDC jack input, with external power adapter (12V, 0.5A)
- Power consumption: ENTU 762F = 1.8W, ENTU 762G = 3.3W
- MTR-17: Hot Swappable Redundant Power Modules
 - MTR-AC: AC Power Input: 100 ~ 240V, 50/60Hz (85W)
 - MTR-DC: DC Power Input: -36 ~ -72V (85W)

Dimension

- ENTU 762F/G: 74.3(W) x 94.8(D) x 25.2(H) mm
- MTR-17: 480(W) x 250(D) x 89(H) mm

Operating Environment

- Operation Temperature: 0 °C ~ 50 °C
- Storage Temperature: -20 °C ~ 70 °C
- Humidity: 90%, non-condensing

