

ENTU 773

Dual Link Ethernet NTU Optical MDC/ Switch

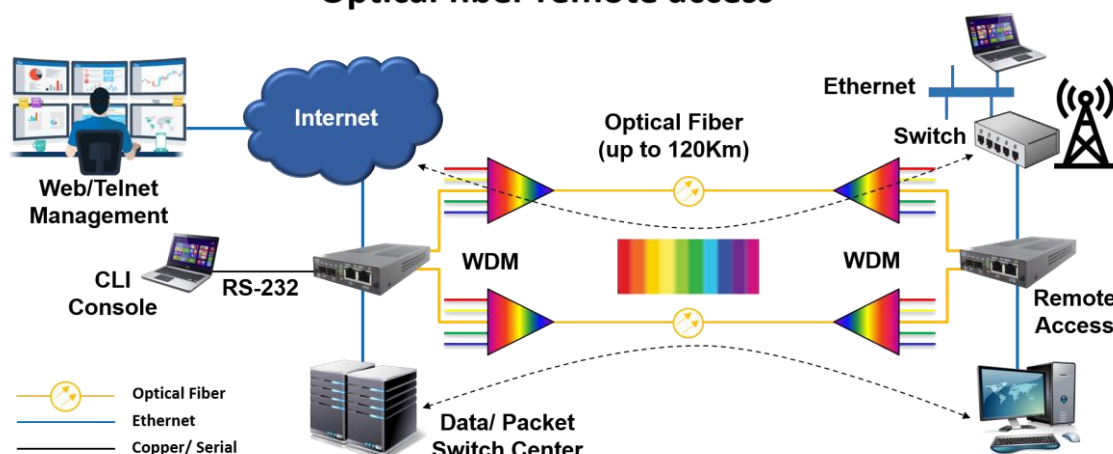


- Complied with IEEE 802.3, 802.3u, 802.3ab and 802.3z standard
- Support IEEE 802.3ah In-band OAM for remote management
- Comply with SFF-8472 industry-standard and support SFP DDM (Digital Diagnostics Monitoring)
- Compact size, dual ports Media Data Converter in one box
- Support cable diagnostics feature for copper wires
- Comply with IEEE 802.1q Tag based and Port based VLAN
- Support IEEE 802.1ad Q-in-Q function
- Maximum Frame size 9K bytes (Jumbo Frame)
- Ethernet bandwidth Control and port Trunking
- Support IEEE 802.3x Flow Control, Auto MDI/ MDIX and Manual setting
- LED indicators for ease of network diagnostic
- Support Ethernet Link Status Transparent
- Alarm : Indication of Electrical/ optical interface, Remote power failure and Thermal over high failure
- Firmware upgrade via TFTP/ HTTP
- Management by Craft CLI, Telnet (SSH), Web (HTTPs) and SNMP V1/ V2c/ V3 supported
- Report all alarm status to the designated NMS and computer terminal interface
- Craft interface may change to RS-232 over IP application

TAINET's 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 virtual local area networks (VLAN). 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 773 series is so called Ethernet Media Data Converter (MDC), It can convert 10/100/1000 BASE-T to 1000BASE-X via optical fiber cable to extend transmission distance. At the customer premise which allows the operator to reach customer over fiber, provides link protection, bandwidth combination, loop prevention 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.

Optical fiber remote access



Model

- ENTU 773S : Dual link Gigabit Ethernet NTU Standalone
- ENTU 773C : Dual link Gigabit Ethernet NTU Card Type

Network Interface: Optical SFP

- Connector type : Two SFP-LC
- 100 Base-FX or 1000 Base-X SFP port
- 100 BASE-FX with the transmission speed of 100Mbps
- 1000 BASE-X with the transmission speed of 1000Mbps
- Automatic Laser Shutdown (ALS)
- IEEE 802.3ad Port Trunking: Bandwidth Aggregation by join the trunk hash
- Support SFP DDM (Digital Diagnostic Monitoring) :
 - Compliant with SFF-8472 SFP DDM (Digital Diagnostic Monitoring), include temperature, supply voltage, bias current, transmitted and received power
- For detailed wavelength and distance of SFP modules, please refer to SFP Transceivers datasheet

User Interface: Ethernet

- Connector type : Two shield RJ-45 jacks
- Auto-negotiation 10/ 100/ 1000 Base-T for speed and Half/ Full duplex
- Auto MDI/ MDIX detection and Manual setting
- Support cable diagnostics feature for copper wires

Networking Function

- Supports Link Fault Pass Through (LFPT)
- IEEE 802.3x Flow Control
- Ethernet bandwidth control
- RMON counter
- Ethernet Port Mirror
- Maximum frame size up to 9k byte (Jumbo Frame)
- Complies with IEEE 802.1p QoS
- DHCP & SNTP Client
- VLAN Translation
- IEEE 802.1q Tagged and Port based VLAN
- IEEE 802.1ad Q-in-Q
- Ethernet Loop detection and prevention
- IEEE 802.1d STP, IEEE 802.1w RSTP
- IEEE G.8032 Ethernet Ring Protection Switching
- IEEE 802.3az Energy Efficient Ethernet
- Support Link Aggregation Control Protocol (LACP)

Management & OAM Functions

- Quick setup MDC or Ethernet Switch mode via DIP switch
- Configure via craft CLI, Telnet (SSH), WEB (HTTPS) or SNMP V1/ V2c/ V3
- RJ45 connector (RS232C) : Craft or Serial over IP selectable
- TFTP/ HTTP firmware upgrade
- Reset button back to factory default
- Support warning threshold for setting the upper and lower limit of optical parameters to send a warning message
- Support syslog standard for message logging
- Support IEEE 802.3ah Link Layer OAM
 - Link monitoring
 - Loopback test
 - Dying Gasp
 - Reset remote device
 - Change remote IP address
- Enhanced Login security check
 - Three access levels for administrator, operator, user, and operation log
 - Support login password complexity of 6 characters, lower and uppercase letters, digits, special symbols
 - Anti-camouflage attack mechanism : lock IP and delay login

LED Indicators

- PWR, ALM, LNK1, LNK2, UTP LNK/ SPD, DPX

Power Requirement

- AC/ DC, DC/ DC external power adapter (12V, 1A)
- Power consumption < 7W

Dimension

- ENTU 773 : 89 (W) x 175 (D) x 25 (H) mm

Operating Environment

- Operating Temperature
 - ENTU 773S ~ ENTU 773C : 0°C ~ 50°C
 - ENTU 773S/H : -20°C ~ 65°C
- Storage Temperature : -20°C ~ 70°C
- Humidity : 90%, non-condensing

Note : Features and specifications are subject to change without prior notice

VLAN and Ring Application

