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Managed Ethernet NTU

3C-SFP0101FM
3C-SFP0101GM

One TO One Manageable Media Converter



Description

10/100M,10/100/1000M IEEE802.3ahOAM manageable ethernet fiber media converter can supervise the real time situation of remote manageable fiber media converter and set the functions. With this system, the response speed of the operator is quickened, the daily maintenance and network expenditure of the operators are reduced, and the serving quality of them is enhanced.

Key Features

- Built-in IP-based Web Interface
- Supporting remote and local management
- Supporting IEEE 802.3X Frame Flow Control for Full-Duplex mode
- Store and Forward mechanism
- Manual IP address setting/DHCP client for IP address assignment
- SNMP v1 / v2c monitor / private Enterprise MIB
- Event trap and SNMP trap support
- Speed duplex mode configuration / Flow Control setting / bandwidth Control on TP / Fiber port
- Supports Port Status / Ethernet Statistics on both TP and Fiber interface
- Supports Maximum frame size to 9K bytes
- Loop detection / Broadcast / Multicast / Unicast storm control
- Management VLAN / 16 IEEE 802.1Q VLAN groups / Q-in-Q VLAN
- 802.1p Tag Priority / IP address priority / IP DSCP option in Quality of Service Mode and Strict Priority / Weighted Round Robin (WRR) QoS policies
- TS-1000 OAM / IEEE 802.3ah OAM / Loop Back Test
- 16 TCP / UDP Filter groups
- Password setting, IP setting and devices description setting through Planet Smart discovery utility
- Firmware upgrade via remote Web interface
- External DC 5V 2A power supply

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LED indicators for easy network diagnosing
Reset Button at the front panel for the factory default reset
Choice of fiber-connector from SC, LC, WDM, multi-mode /
single-mode fiber /1000Base-SX / LX mini GBIC module



Technical Parameters

Ethernet Interface

- (1) Meet standards: IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x
- (2) Data rate: 10Mbps, 100Mbps, 1000M half/full duplex auto-sensing
- (3) Connector: RJ-45
- (4) UTP CAT5 or CAT5E connecting with RJ-45, transmission distance at 100m

Fiber port

- (1) Connector: ST, SC, FC, SFP Slot
- (2) Operating wavelength: 850nm, 1310nm at Multi-mode; 1310nm, 1550nm at single mode.
- (3) Optical fibers: Multi-mode: 50/125, 62.5/125, 100/140um;
Single-mode: 8.3/125, 8.7/125, 9/125, 10/125um
- (4) Transmission distance: Dual fiber: up to 100km
Single fiber: up to 80km

Basic working environment

Operating Temp: 0~50℃

Storage Temp: -10~70℃

Humidity: 5%~90% (non-condensing)

Dimension(standalone): 156mm(W)*128mm (D) *32mm (H)

Power supply: 85VAC~265VAC or -40VDC~-57VDC

Power consumption: ≤5W

Network Information

Local Setting
 IP Configuration
 Password Setting
 Converter Configuration
 Port Configuration
 MIB Counter
 SNMP Configuration
 VLAN
 VLAN Group
 VLAN Per Port Setting
 Q-in-Q

Remote Setting
 TS1000 Functions
 TS1000 Setting
 Loopback Test
 Remote Device Reset
 Remote Port Information
 Remote Port Setting

802.3ah Functions
 802.3ah Configuration
 Loopback Test
 802.3ah Status

Tools
 logout

802.3ah OAM Configuration

802.3ah Function	<input type="radio"/> Disable	<input checked="" type="radio"/> Enable
802.3ah Mode	Passive	<input checked="" type="radio"/> Active
Remote Loopback	<input type="radio"/> Disable	<input checked="" type="radio"/> Enable

802.3ah Status

Discovery Status	SEND_ANY
Fiber Port Status	NORM FWD

Network Information

Local Setting
 IP Configuration
 Password Setting
 Converter Configuration
 Port Configuration
 MIB Counter
 SNMP Configuration
 VLAN
 Q-in-Q

Remote Setting

Tools
 logout

Converter Configuration

Jumbo Frame (9K)	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Link Transparent	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Remote Fault Detect	<input type="radio"/> Disable <input type="radio"/> Enable
Link Loss Carry Forward	<input type="radio"/> Disable <input type="radio"/> Enable
Forward CRC Error Frame	<input checked="" type="radio"/> Drop <input type="radio"/> Forward
Forward Pause Frame	<input checked="" type="radio"/> Drop <input type="radio"/> Forward
Management Packet High Priority (This function need reset to take effect!)	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Broadcast Storm Filter	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Multicast Storm Filter	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Unknown DA Unicast Storm Filter	<input checked="" type="radio"/> Disable <input type="radio"/> Enable

Notice : 1. When Management Packet High Priority is enabled, all management packet

Order Information

3C-SFP0101FM

10/100M SFP slots Managed Media Converter.

3C-SFP0101FG

10/100/1000M SFP slots Managed Media Converter.