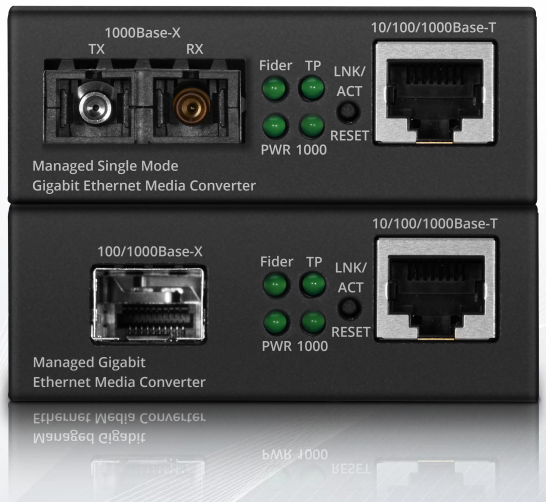
Managed Ethernet Media Converter Datasheet

ISP Network and Enterprise Network Solution.



Overview

The Managed Ethernet Media Converter provides conversion between 10/100/1000Base-T and 100/1000Base-X network. It allows two different segments to connect easily, efficiently and inexpensively. While providing an economical means of extending the existing copper based network connection, the converter is SNMP manageable to enable complete control and status viewing of the fiber links. The built-in Web operation interface helps network administrators to easily monitor and setup the converter, speed and duplex through web browsers.

Benefits

- Supports Maximum frame size to 16K bytes
- Store and Forward mechanism
- IEEE 802.3x PAUSE Frame Flow Control for Full-Duplex mode
- Management VLAN/16 IEEE 802.1Q VLAN groups/ Q-in-Q VLAN
- TS-1000 OAM/IEEE 802.3ah OAM/Loop Back Test

Key Features

User-friendly Web Management Interface

For efficient management, the Managed Ethernet Media Converter is equipped with remote Web/SNMP interface. With its built-in Web-based management, the converter offers an easy to use, platform-independent management and configuration facility. It also supports standard Simple Network Management Protocol and can be managed via any standard-based management software. Moreover, the TS-1000/802.3ah OAM protocol supported helps remote device be managed and monitored by the converter.

Easy Installation and Flexible Application

The Managed Ethernet Media Converter can be used as a stand-alone unit on a desktop or shelf. The installation is quite quick and easy by simple plugging and playing feature. The Managed Ethernet Media Converter can build an ISP network solution of FTTH (Fiber to the Home) or FTTC (Fiber to the Curb) for ISPs, and FTTB (Fiber to the Building) for small office network environment from enterprises. The Web Management interface helps network administrators to monitor and setup the converter, the transmission speed and duplex through web browsers.

Layer 2 Management Features

- IEEE 802.3x PAUSE Frame Flow Control for full duplex mode
- Store and Forward mechanism
- Built-in Web operation interface for remote management and setup
- 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 16K 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

Specification

	MMC-1F1T	MMC-1SC1T-SM
Copper Interface	1x 10/100/1000Base-T RJ45	1x 10/100/1000Base-T RJ45
Fiber Optic Interface	1x 100/1000Base-X SFP	1x 1000Base-X SC
Optic Wavelength	Vary on SFP Module	1310nm
Max. Optic Launch Power	Vary on SFP Module	-3dBm
Min. Optic Launch Power	Vary on SFP Module	-9.5dBm
Max. Input Power	Vary on SFP Module	-20dBm
Receive Sensitivity	Vary on SFP Module	-14.4dBm
Input Voltage	5V DC, 2A max.	
Max. Power Consumption	3.8W	
Heat Output	13 BTU	
Jumbo Frame	16K	
Cable	Twisted-pair: Cat 5/5e/6 Ethernet cable Fiber Optic: MM: 50/125 μm or 62.5/125 μm fiber optic cable SM: 9/125 μm fiber optic cable	
Speed	Twisted-pair: 10/100Mbps for half/full duplex 1000Mbps for full duplex Fiber Optic: MMC-1F1T: 100/1000Mbps for full duplex MMC-1SC1T-SM: 1000Mbps for full duplex	
Standards and Protocols	IEEE 802.3, 10Base-T IEEE 802.3u, 100Base-TX IEEE 802.3ab, 1000Base-T IEEE 802.3z, 1000Base-SX/LX	
Quality Certification	FCC, CE, RoHS, REACH, RCM, EAC, WEEE	
Operating Temperature	0 to 50℃	
Storage Temperature	-40 to 70℃	

Specification

	MMC-1F1T	MMC-1SC1T-SM
Operating Humidity	5 to 90%, non-condensing	
Storage Humidity	5 to 90%, non-condensing	
MTBF	＞50,000 Hours @ 25 ℃	
Dimensions (Hx Wx D)	1.02"x 2.76"x 3.66" (26x70x93mm)	

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