

OAM Managed Dual Rate Media Converter

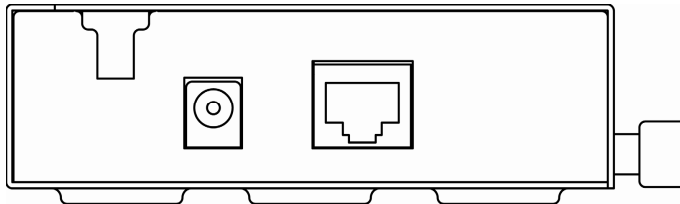
This quick start guide describes how to install and use the OAM managed dual rate media converter.

Functional Description

- Complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX, IEEE802.3ab 1000Base-T, and IEEE802.3z 1000Base-SX/LX.
- Complies with IEEE802.3ah OAM standard.
- Supports SNMP v1 & v2c Management.
- Supports Q in Q double tagged frame transparent.
- Supports IN-BAND Loop Back and Diagnostic.
- DIP switch configuration for "Link-Fault-Pass-Through".
- One fiber interface supports dual rate 100Base-FX/BX or 1000Base-SX/LX/BX fiber transmission.
- SFP fiber interface supports 100Base and 1000Base dual rate fiber transmission.
- Gigabit transmission supports 9K Bytes jumbo frame.
- 1000Mbps-Auto/Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX.
- Supports IEEE802.3x Flow control: Flow control for Full-duplex and Back pressure for Half-duplex.
- Full wire-speed forwarding rate.
- Built-in Fiber Tray, for ease of fiber cable management and installation.
- Operating voltage and Max. current consumption: 0.25A @ 12VDC. Power consumption: 3W Max.
- Power Supply: 12VDC external universal PSU.
- -5°C to 55°C (23°F to 131°F) operating temperature range.

Physical Description

Product Overview



Connect the supplied AC to DC power adaptor to the receptacle on the front panel of the OAM managed dual rate media converter, and then attach the plug into a standard AC outlet.

DIP Switch

No.	Down	Up
1	Disable LFPT	Enable LFPT
2	Enable Auto-Negotiation for TX port	Enable Force mode for TX port
3	TX port Force mode: Full-duplex	TX port Force mode: Half-duplex
4	TX port Force mode: 100Mbps	TX port Force mode: 10Mbps
5	Function reserved	Function reserved
6	Function reserved	Function reserved

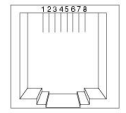
<Note> LFPT: Link-Fault-Pass-Through function. Power must be off/on after re-setting LFPT function.

The 10/100/1000Base-TX, 100Base-FX/BX, and 1000Base-SX/LX/BX Connectors

The 10/100/1000Base-TX Connection

The following lists the pinouts of 10/100/1000Base-TX port.

Pin	Label
1	TP1+
2	TP1-
3	TP2+
4	TP2-
5	TP3-
6	TP3+
7	TP4+
8	TP4-

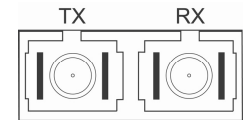


The 100Base-FX Connections

The 1000Base-SX/LX Connection

The fiber port pinouts

The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.

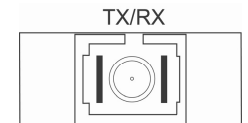


The WDM 100Base-BX Connection

The WDM 1000Base-BX Connection

The fiber port pinouts

Only one optical fiber is required to transmit and receive data.



The SFP Connection

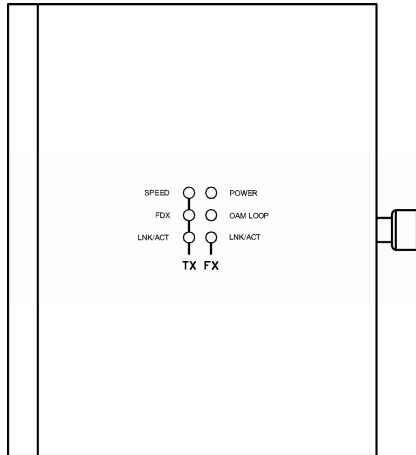
The SFP socket for 100Base and 1000Base fiber optic expansion.



For SFP expansion

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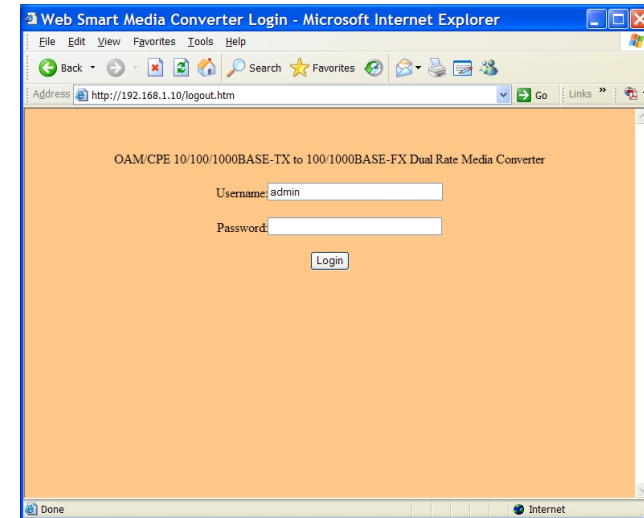
The Port Status LEDs



LEDs	State	Indication
POWER	Steady	Power on
	Off	Power off
OAM LOOP	Test pass	Blink when testing and light in 3 seconds if pass
	Test fail	Blink when testing and until if fail
	Off	No test
SPEED (TX Port 10/100/1000Mbps)	Steady	Green: Connection at the speed of 1000Mbps Amber: Connection at the speed of 100Mbps
	Off	Connection at the speed of 10Mbps
FDX (TX)	Steady	TX port at Full-duplex mode FDX stands for Full-duplex
	Off	At Half-duplex mode
LNK/ACT (TX)	Steady	A valid network connection is established on TX port LNK stands for LINK
	Flashing	Transmitting or receiving Data ACT stands for ACTIVITY
	Off	No network connection is established
LNK/ACT (FX)	Steady	A valid network connection is established on Fiber port LNK stands for LINK
	Flashing	Transmitting or receiving Data ACT stands for ACTIVITY
	Off	No network connection is established

Web Configuration

- Login the OAM managed dual rate media converter:
Specify the default IP address (192.168.1.10) of the OAM managed dual rate media converter in the web browser. A login window will be shown as below:



- Enter the factory default Username (admin). Enter the factory default Password (no password). Then click on the "Login" button to log on to the OAM managed dual rate media converter.

