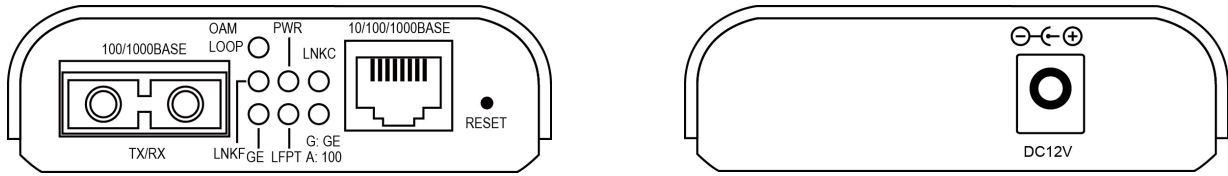


This quick start guide describes how to install and use the OAM Managed 10/100/1000BASE-TX to 100/1000BASE-FX Dual Rate Media Converter. The converter introduced here provides one channel media conversion solution.

Physical Description

Product Overview



This media converter is a plug-and-play device. Connect the supplied AC to DC power adaptor to the receptacle on the rear panel of the media converter, and then attach the plug into a standard AC outlet.

Functional Description

- Complies with IEEE802.3 10BASE-T, 802.3u 100BASE-TX, 802.3ab 1000BASE-T, 802.3z 1000BASE-X
- Complies with IEEE 802.3ah OAM standard
- Supports SNMP V1, V2 Management
- Supports IN-BAND Loop Back and Diagnostic
- Gigabit transmission supports 9K bytes jumbo frame
- One fiber interface supports dual rate 100BASE-FX and 1000BASE-SX/LX fiber transmission
- Supports IEEE802.3x Flow controls: Flow control for full duplex and Back pressure for half duplex
- Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- Supports Wall Mounting installation or use with EMC1600 media converter chassis system.

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

The 10/100/1000Base-TX Connection

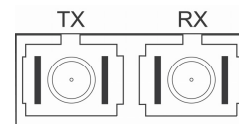
The following lists the pinouts of 10/100/1000Base-TX port.

Pin	Label	
1	TP0+	
2	TP0-	
3	TP1+	
4	TP2+	
5	TP2-	
6	TP1-	
7	TP3+	
8	TP3-	

The 100Base-FX Connection

The 1000Base-SX/LX Connection

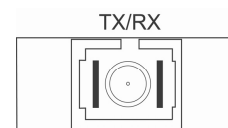
The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.



The WDM 100Base-BX Connection

The WDM 1000Base-BX Connection

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



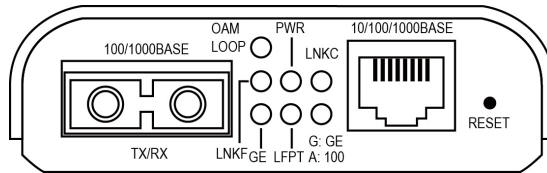
The SFP Connection

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



For SFP expansion

The Port Status LEDs

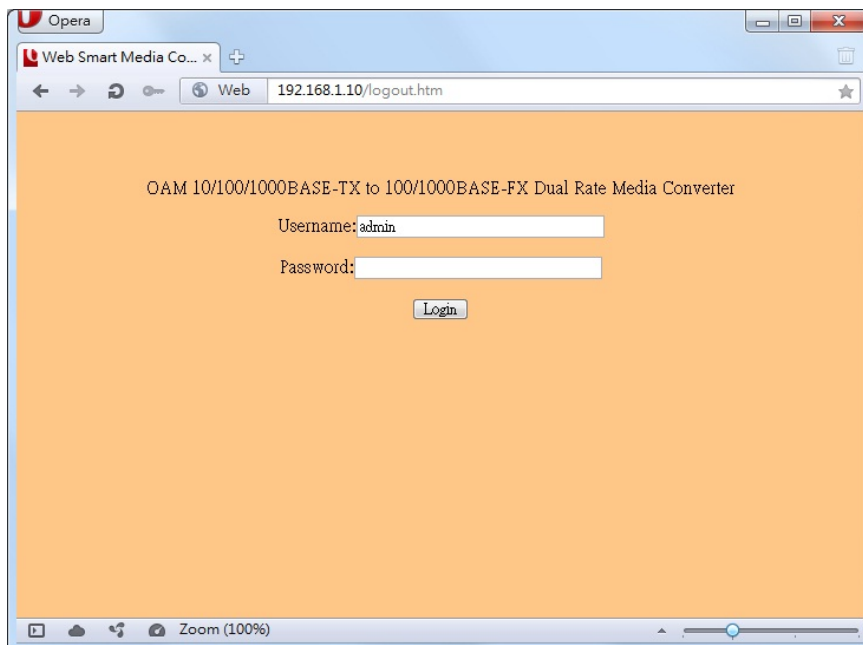


LED's	State	Indication
PWR (Green)	Steady	Power On
	Off	Power Off
Copper Port Speed	Steady	Green: Copper Port connection at the speed of 1000Mbps Amber: Copper Port connection at the speed of 100Mbps
	Off	Copper Port connection at the speed of 10Mbps
LNKC (Green)	Steady	A valid network connection is established on FX port
	Flashing	Data transmitting
OAM LOOP (Green)	Steady	When device in OAM Active Mode
	Flashing	Blinks for 4 seconds if loopback testing pass, when device in OAM Passive Mode
GE	Steady	Fiber port connection at the speed of 1000Mbps
	Off	Fiber port connection at the speed of 100Mbps
LNKF (Green)	Steady	A valid network connection is established on FX port
	Flashing	Data transmitting
LFPT (Green)	Steady	LFPT function enabled

Web Configuration

Login the media converter:

- Specify the default IP address (192.168.1.10) of the 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.