

AOM-3100D-F

10/100/1000M LFP Media Converter, with SFP slot and USB port powered

Overview

AOM-3100D-F is 10/100/1000M SFP slot fiber media converter, which supports LFP (Link Fault Pass-through) function for easily tracing the network link failure. LFP Fiber Media Converter can enhance the integrity and conformity of the TP-Fiber linking to improve the maintainability of the network. It is powered through external power adapter or uses power from USB port on the hosting device such as PC or NB.

This unique idea of using USB port power offers great flexibility when deploying this converter. Six LEDs are provided to monitor the operation status of the converter and the DIP Switch on the front panel is used to set the required working configurations to meet various applications.



Features

- 10/100/1000Mbps auto-sensed, easily upgrade
- full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- Built-in efficient switching core to implement flow control and reduce broadcast packets
- **LFP (Link Fault Pass-through) Function**
- External Power Adapter or **USB power source**
- DIP Switch to set configurations
- Supporting 9K **Jumbo frame**

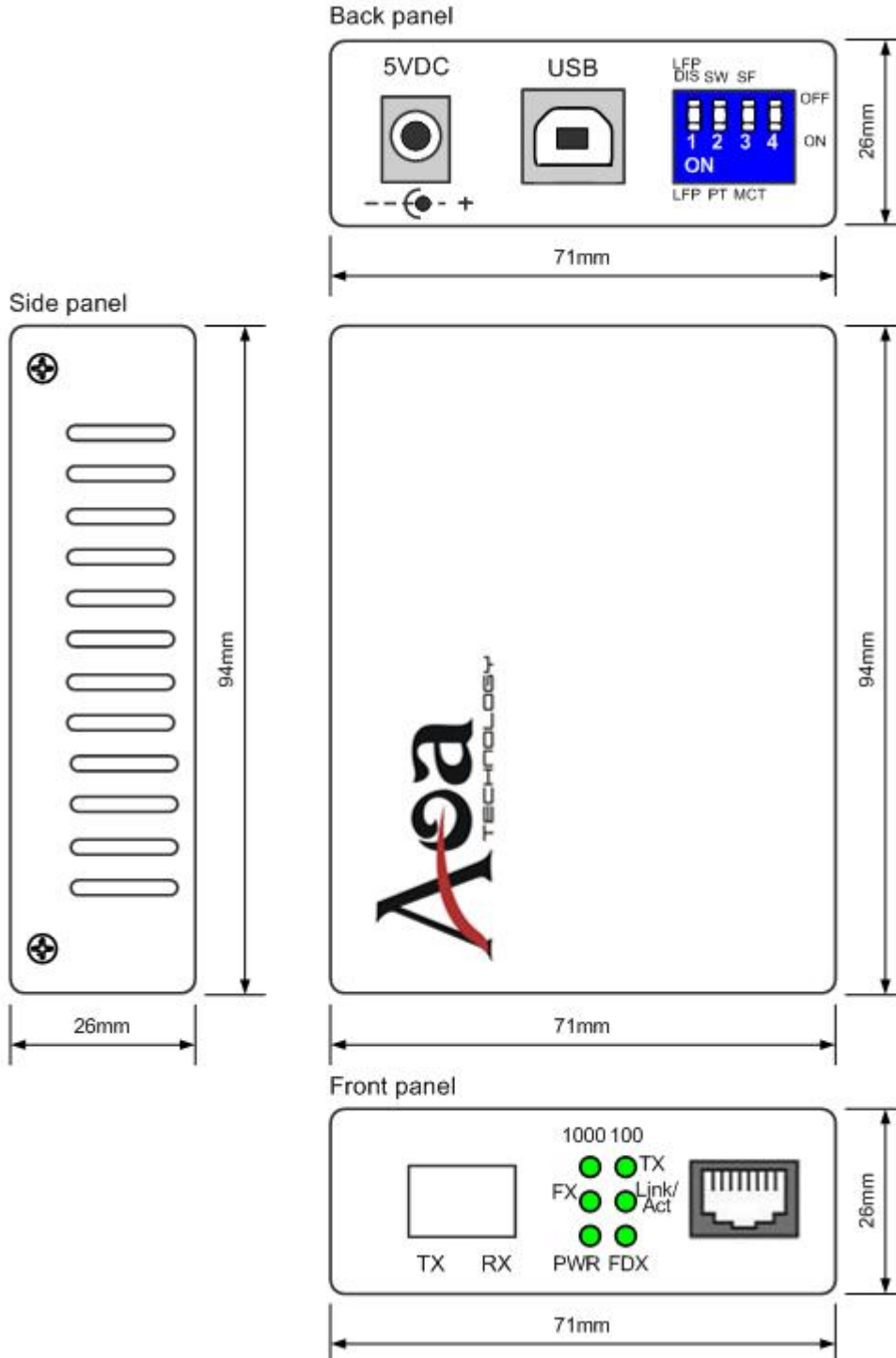
Application

- Campus Area Networking
- Enterprise Remote LAN Extension
- Metro Ethernet Distribution
- ISP Backhaul Networking

Technical Indexes

Parameter	Specifications
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE 802.3z 1000Base-FX, IEEE802.3x Flow control
Wavelength	850nm/1310nm/1550nm
Transmission distance	Up to SFP module
Port	One RJ45 connector, connected One SFP Socket
Conversion means	Media conversion
Delay	<10us
BER	<10 ⁻⁹
MTBF	100,000 hours
LED	PWR (power supply); FX LINK/ACT (optical link/action) FDX (FX full duplex); TP LINK/ACT (twisted pairs link/action) TP 1000 (1000M transmission rate of twisted pairs), TP 100 (100M transmission rate of twisted pairs)
DIP Switch	1: LFP enabled (default) or disabled 2: Switch mode or Pass through mode 3: Store-and-forward mode or Modified cut through mode
Power	AC100~250V or DC36~60V
Power consumption	5W, 1A
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	94mm *71mm * 26 mm (external power supply)

Mechanical Dimensions



Order Information

The SFP Transceivers Installed In The Media Converter

Part No.	Description	Fiber port	Wavelength	Distance
AS-1285L-S5	1.25G SFP SX MM	LC	850nm	550m
AS-1213L-20	1.25G SFP LX SM	LC	1310nm	20 Km
AS-1213L-40	1.25G SFP LX SM	LC	1310nm	40 Km
AS-1215L-80	1.25G SFP ZX SM	LC	1550nm	80 Km
ASB-1235L-20 ASB-1253L-20	1.25G SFP SM BIDI	LC/SC	A :Tx1310/Rx1550nm B:Tx1550/Rx1310nm	20 Km
ASB-1235L-40 ASB-1253L-40	1.25G SFP SM BIDI	LC/SC	A :Tx1310/Rx1550nm B:Tx1550/Rx1310nm	40 Km
ASB-1235L-80 ASB-1253L-80	1.25G SFP SM BIDI	LC/SC	A :Tx1310/Rx1550nm B:Tx1550/Rx1310nm	80 Km