

AOM-5100

10G Ethernet Media Converter

10G/5G/2.5G/1G/100M copper to 10GBASE-X SFP



Overview

AOM-5100 is a 10G Media Converter provide 10G/5G/2.5G/1G/100Base-T auto-negotiation port and one 10GBASE-X SFP+ Slot. It transparently connects 10G Ethernet links over multi-mode or single-mode fiber,including CWDM/DWDM wavelength.

The SFP slot on the AOM-5100 Media Converter allows for flexible network configurations to meet any requirement using a variety of MSA compliant SFP, provide by AOA, Cisco, or other manufacturers; the extended distance reach 80km.

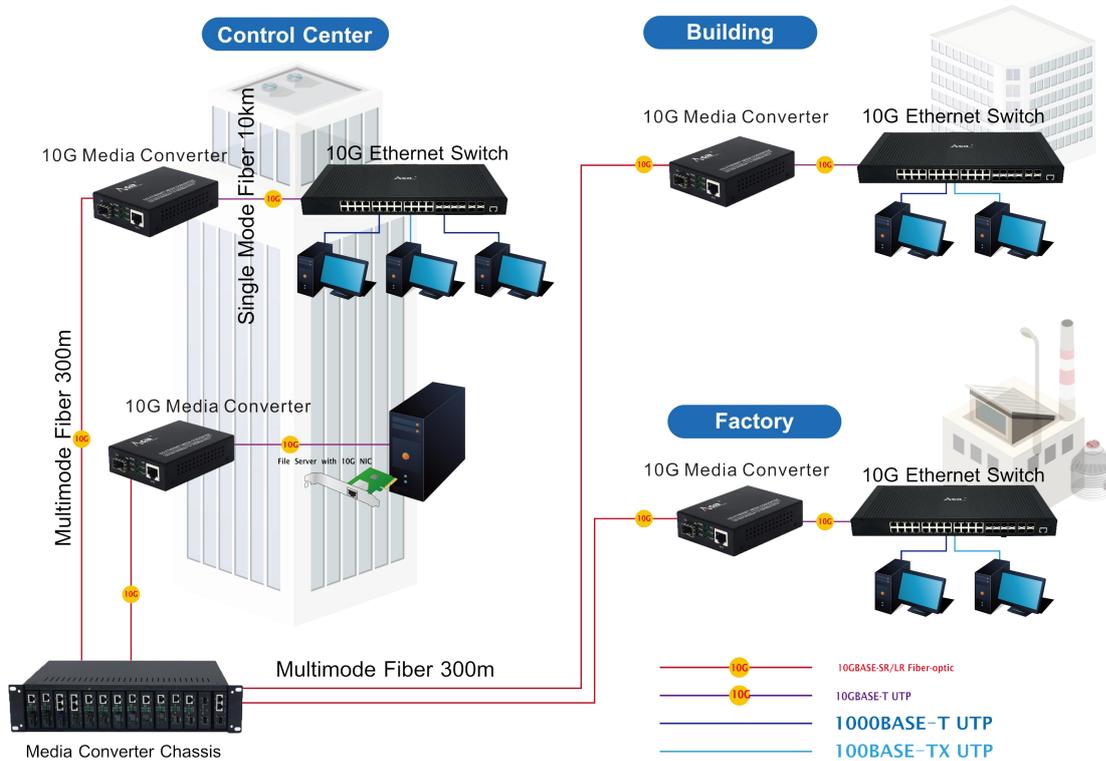
AOM-5100 10G Media Converter is designed for high bandwidth network needs: campus networks,data centre cloud computing,enterprise backbones and carrier infrastructure.

Features

- 10GBASE-X SFP+ MSA compliant
- 10G/5G/2.5G/1G/100Base-T RJ45 interface with MDI/MDI-X function
- 100M half/full duplex and 1/2.5/5/10G full duplex mode
- 16K Jumbo frame
- Surge protection on copper and DC power input
- 5-12VDC working voltage
- Auto-media detect for copper or fiber media plug-and-play
- Desktop, Wall-mounted, 2U 19" 14-slot rack-mounted installation
- Extremely low power consumption,fan-less and stable performance

Application

- Enterprise Switches with 2.5G/5G/10G capabilities
- Data Center 10GBASE-T Switches and Servers
- ISP Backhaul Networking, 802.11ac Access Point backhaul



Technical Specifications

Parameter	Specifications
Standards	IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3bz 2.5G/5GBase-T IEEE802.2an 10GBase-T IEEE802.3ae 10Gpbs Ethernet IEEE802.3x Flow control
Performance	Processing Type: Store and Forward Back Bandwidth: 20Gbps Time Delay: <5us Jumbo Frame: 16Kbytes
Copper Port	Data Rate: 10G/5G/2.5G/1G/100/10Base-T Auto-negotiation Connector: RJ45, Auto MDI/MDI-X Distance: 100m
Fiber Port	Data Rate: 10G Connector: SFP+ Slot MSA compliant
LED indicators	PWR, 10G Speed, Fiber link, Fiber link Act, Copper Link, Copper Link Act
Electrical	Power requirements: 5-12VDC, 2A Max. Power consumption: <4W, full-loaded Connector: DC socket
EMC Protection	Power port : IEC 61000-4-5 Level 3, 2KV Copper port: IEC 61000-4-5 Level 3, 2KV
Environment	Operating temperature : -10~55° C Storage Temperature: -40~85° C Relative Humidity: 5-95% (no condensation)
Physical Characteristics	Installation: Desk-top, wall mounting, Chassis Dimension: 94*70*26mm (External power supply) Weight: 0.4kg (External power supply)

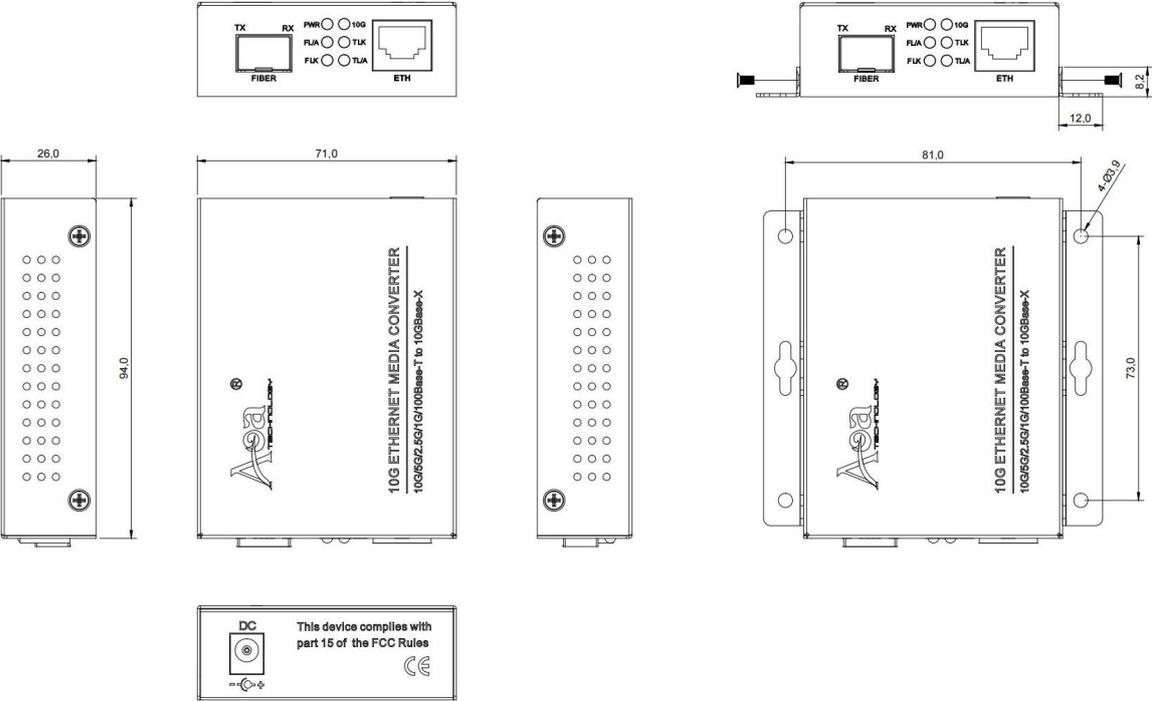
Order Information

Model	Description
AOM-5100	10G/5G/2.5G/1G/100M copper RJ45 to 10GBASE-X SFP+

Related Products

Model	Description
SFP Module	
SFP-M1085L-03	10G MM 850nm LC 300m DDM
SFP-S1013L-10	10G SM 1310nm LC 10km DDM
SFP-B1023L-20	10G SM TX1270/RX1330nm LC 20km DDM
SFP-B1032L-20	10G SM TX1330/RX1270nm LC 20km DDM
40/60/80/100/120km is available	
Installation Accessories	
AOR-14	19" 2U, 14-slot rack with dual power supply
TK10	Wall-mounted kits, 87x12x8.2mm, hole L=73mm ϕ 3.0mm

Structure diagram (mm)



For further information, please visit our website <https://www.aoatech.com>

All rights are reserved by AOA Technology Co.,Ltd. AOA reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.