

# AOM-3104

## Gigabit Ethernet Media Converter

10/100/1000M 1GX4GE



### Overview

AOM-3104 is Gigabit Ethernet Media Converters, which extends the 10,100 and 1000Mbps twisted-pair network segments up to 120km over fiber technology. The series media converter is compact and cost-effective design, providing 4-port 10/100/1000Mbps auto negotiation RJ45 connector and 1-port 1.25Gbps full-duplex on the fiber port with SC/FC/ST interface optional. It's widely used in security monitoring, wireless networking, optical fiber access, and other application scenarios.

### Features

- 4-port 10/100/1000M auto-negotiation RJ45 with auto-MDI/MDI-X
- Fiber port provides SC/FC/ST, multi-mode/single mode optional
- Full duplex and Half duplex operation with IEEE 802.3x flow control
- 9k Jumbo Frame
- LED indicators for working status
- Support hot plug and play
- 5-12Vdc Wide range power input
- -20~60°C working temperature
- ESD,surge protection
- IP30 enclosure
- Wall-mounted Installation with optional kits
- Low power consumption, lead-free process
- CE/FCC/ROHS compliance

## Technical Specifications

Performance	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x
Processing type	Store and Forward
Switch capacity	12Gbps
Packet forwarding Rate	7.24Mpps
MAC address	2k
Buffer Space	1M
Flow Control	support
Jumbo Frame	9k bytes
Interface	
Copper Port	4x 10/100/1000M Auto-negotiation, RJ45 auto-MDI/MDI-X Cat5/Cat5e/Cat6, ≤100m
Fiber Port	1.25G SC/FC/ST optional OS1/OS2 ≤120km; OM1/OM2 ≤550m
LED indicators	
Status	PWR, Fiber Link/Act, Copper Link/Act
Electrical characteristics	
Input Voltage	5-12Vdc
Power Consumption	≤3W
Power Port	DC socket, φ2.5mm
Power Adaptor	100~240Vac (-48Vdc Optional) 50/60Hz input, 5Vdc 1A output
Physical characteristics	
Dimension	94x71x26mm
Installation	Wall-mounted ( Optional kits)
Enclosure	Metal IP30
Environment	
Working Temperature	-20~60°C
Storage Temperature	-40~85°C
Relative Humidity	5%~95% (no condensation )
Certification	
Safety	EN62368
EMC	EN55032, EN55035, FCC Part 15 Subpart B Class A IEC61000-3-2, IEC 61000-3-3, IEC61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11
Reliability	IEC 60068-2-6, IEC 60068-2-27, IEC 60068-2-32
ROHS	ROHS 2.0

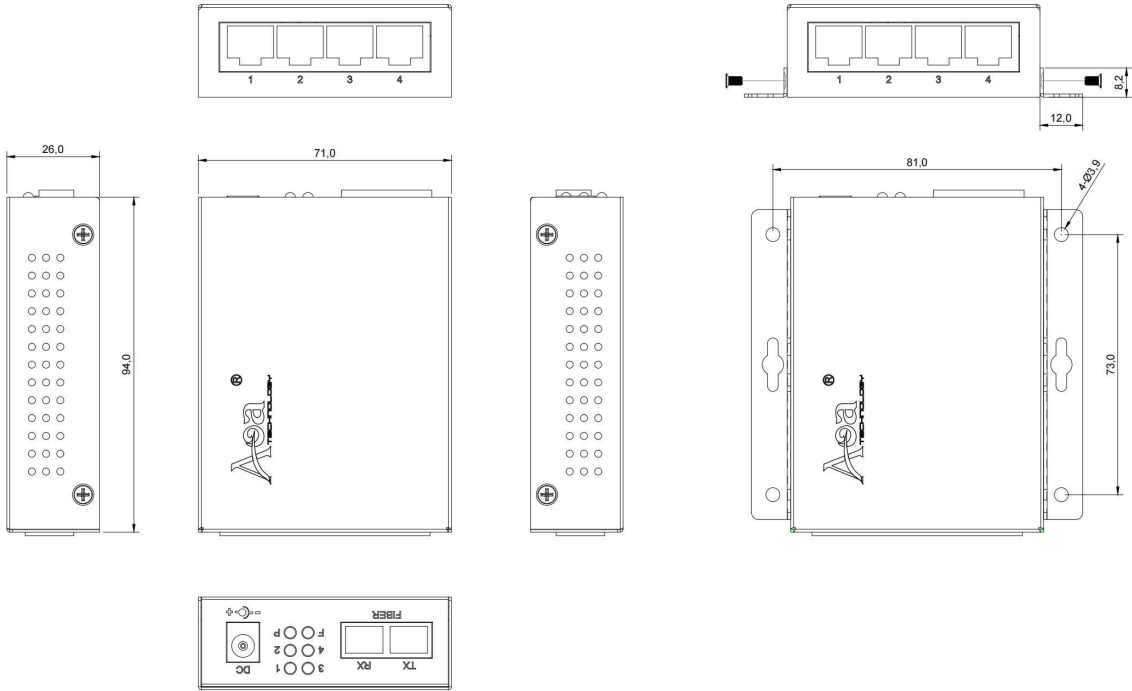
## Order Information

Model	Description
AOM-3104-M05	10/100/1000M 4-RJ45, MM 850nm SC 550m
AOM-3104-S20	10/100/1000M 4-RJ45, SM 1310nm SC 20km
AOM-3104-A20	10/100/1000M 4-RJ45, SM TX1310/RX1550nm SC 20km
AOM-3104-B20	10/100/1000M 4-RJ45, SM TX1550/RX1310nm SC 20km
FC/ST available; 40/60/80/120km available	

## Related Products

Model	Description
Installation Accessories	
TK10	Wall-mounted kits, 87x12x8.2mm, hole L=73mm $\phi$ 3.0mm

# Structure diagram (mm)



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