OC-7N1008
8x10/100Base-TX

Buffer **1M** | Industrial -40℃/75℃ | DIN Rail **IP40** | Fiber-optic | PoE **802.3at 802.3af**

Brief Introduction

OC-7N1008 is a new generation Industrial Media Converter with 8-Port 10/100Base-TX that provide stable and reliable Ethernet transmission, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The Industrial Media Converter complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

OC-7N1008 can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 75℃. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Features

> 8x10/100Base-TX
> Support Auto-MDIX, and full/half duplex self-negotiation mode
> Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
> Support 10Kbytes giant frame, compatible with various extension protocol
> 4K MAC address table
> Support IEEE802.3az energy efficient Ethernet technology
> Support IPv6 Protocol
> Electric 8KV surge protection, easy to use in outdoor environment
> Complete status indicator, working state at a glance
> Power input polarity protection design, no worry about wrong operation
> Metal case, no fan design
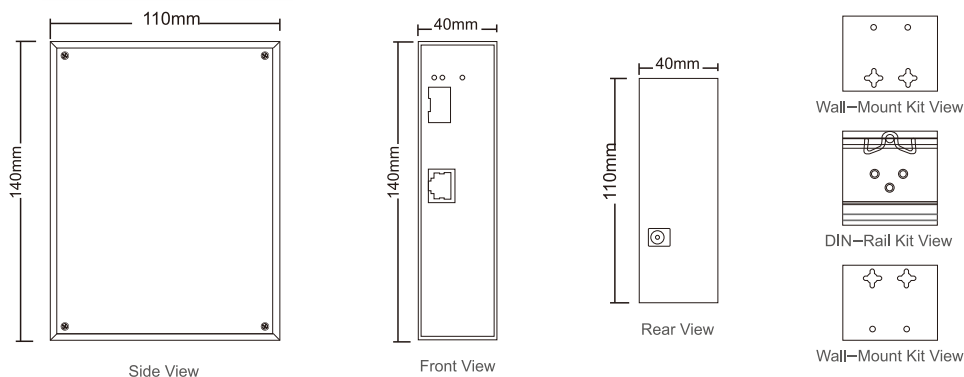> Installation method: DIN trail /Wall mounting

Specification

Physical Port	
RJ45 Port and Speed	8x10/100Base-TX
Parameters	
Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3az IEEE802.1X
Packet Buffer	1M
Maximum Packet Length	Up to 10KBytes
MAC Address Table	4K
Transmission Mode	Store and Forward (full/half duplex mode)
Exchange Property	Delay time: < 7µs Backplane bandwidth: 1.6Gbps; Packet forwarding rate: 1.1904Mpps
PoE (Optional)	
PoE Standard	8x IEEE 802.3af/IEEE 802.3at PoE
Power Budget	Max. PoE output power budget 30W

Specification

LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
Power Information	
Power Access Mode	Phoenix terminal, DC seat
Redundant Power Input	AC/DC 9-56V
Overload Protection	Yes
Power Reverse	Support
Power Consumption	Full-load<5W
Physical Property	
Protection Grade	IP40 aluminum case
Cooling Mode	Natural cooling, no fan design
Dimensions	140mm x 110mm x 40mm (L x W x H)
Installation Mode	DIN trail/wall-mountable
Weight	550g (With PoE : 600g)
Working Environment	
Operating Temperature	-40°C~75°C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40°C~85°C
Warranty	
MTBF	500,000 hours
Defects Liability Period	3 year warranty, lifetime technical support
Certification Standard	
EMC	FCC Part15 Class A CE-EMC/LVD RoHS EN61000-4-2 (ESD), EN61000-4-3 (RS) EN61000-4-4 (EFT), EN61000-4-5 (Surge) EN61000-4-6 (CS), EN61000-4-8 EN61000-4-11
Vibration	IEC60068-2-6 -40~75°C High and Low Temperature Test IP40 Protection Test

Dimensions

110mm

140mm

Side View

40mm

140mm

Front View

40mm

110mm

Rear View

Wall-Mount Kit View

DIN-Rail Kit View

Wall-Mount Kit View

Package List

- 1 x Fiber Switch
- 1 x Rail Mounting Kit
- 1 x Wall Mount Kit
- 1 x Warranty Card

Application

9-56V

**Wide
Power Input Range
(24/48VDC)**

PoE 48V optional

IP Camera

DC Boost & Regulate

Industrial Switch

Wireless AP

Order Information

Model Number	Port Description
OC-7N1008	Industrial Ethernet Switch, 8 x 10/100M Base-TX
OC-7N1206	Industrial Ethernet Switch, 6 x 10/100M Base-TX + 2 x 100M Base-FX SFP
OC-7N1404	Industrial Ethernet Switch, 4 x 10/100M Base-TX + 4 x 100M Base-FX SFP
OC-7N1008P	Industrial Ethernet Switch, 8 x 10/100M Base-TX / 8xPoE
OC-7N1206P	Industrial Ethernet Switch, 6 x 10/100M Base-TX + 2 x 100M Base-FX SFP/ 6xPoE
OC-7N1404P	Industrial Ethernet Switch, 4 x 10/100M Base-TX + 4 x 100M Base-FX SFP/ 4xPoE

*Fiber port can add 1*9 module