# OC-7N3008

## 8x10/100/1000Base-TX

Buffer 2M
Industrial -40℃ 75℃
DIN Rail IP40
Fiber-optic
Fiber-optic 100FX 1000X
PoE 802.3at 802.3af

## Brief Introduction

OC-7N3008 is a new generation industrial Power over Ethernet Managed Switch with 8-Port 10/100/1000Base-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 switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, OC-7N3008 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°C. 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

> 8x10/100/1000Base-TX RJ45 ports
> Support Auto-MDIX, and full/half duplex self-negotiation mode
> Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
> Support 9K bytes 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

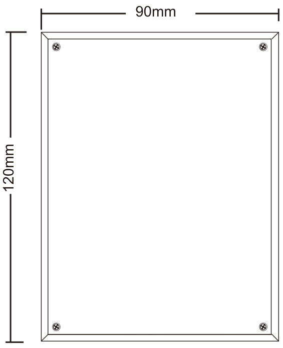
## Specification

| | |
|---|---|
| **Physical Port** | |
| RJ45 Port and Speed | 8x10/100/1000Base-TX |
| **Parameters** | |
| Ethernet Standards | IEEE802.3 IEEE802.3u IEEE802.3z<br>IEEE802.3ab IEEE802.3x IEEE802.3az<br>IEEE802.3Qad IEEE802.3ah IEEE802.1X<br>IEEE802.1Q IEEE1588 |
| Packet Buffer | 2M |
| Maximum Packet Length | Up to 9K |
| MAC Address Table | 4K |
| Transmission Mode | Store and Forward (full/half duplex mode) |
| Exchange Property | Delay time: < 7μs<br>Backplane bandwidth: 20Gbps; Packet forwarding rate: 11.904Mpps |
| **PoE (Optional)** | |
| PoE Standard | 8x IEEE 802.3af/IEEE 802.3at PoE |
| Power Budget | Max. PoE output power budget 30W |

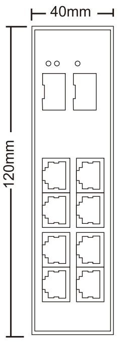
## Specification

| | |
|---|---|
| **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 | DC 9-56V |
| Overload Protection | Yes |
| Power Reverse | Support |
| Power Consumption | Full-load<15W |
| **Physical Property** | |
| Protection Grade | IP40 aluminum case |
| Cooling Mode | Natural cooling, no fan design |
| Dimensions | 120mm x 90mm x 40mm (L x W x H) |
| Installation Mode | DIN trail/wall-mountable |
| Weight | 600g (With PoE : 650g) |
| **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 years warranty, lifetime technical support |
| **Certification Standard** | |
| EMC | FCC Part15 Class A<br>CE-EMC/LVD<br>RoHS<br>EN61000-4-2 (ESD), EN61000-4-3 (RS)<br>EN61000-4-4 (EFT), EN61000-4-5 (Surge)<br>EN61000-4-6 (CS), EN61000-4-8<br>EN61000-4-11 |
| Vibration | IEC60068-2-6<br>-40~75˚C High and Low Temperature Test<br>IP40 Protection Test |

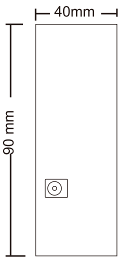
## Dimensions



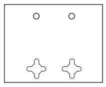
Side View



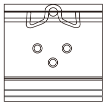
Front View



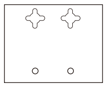
Rear View



Wall-Mount Kit View



DIN-Rail Kit View

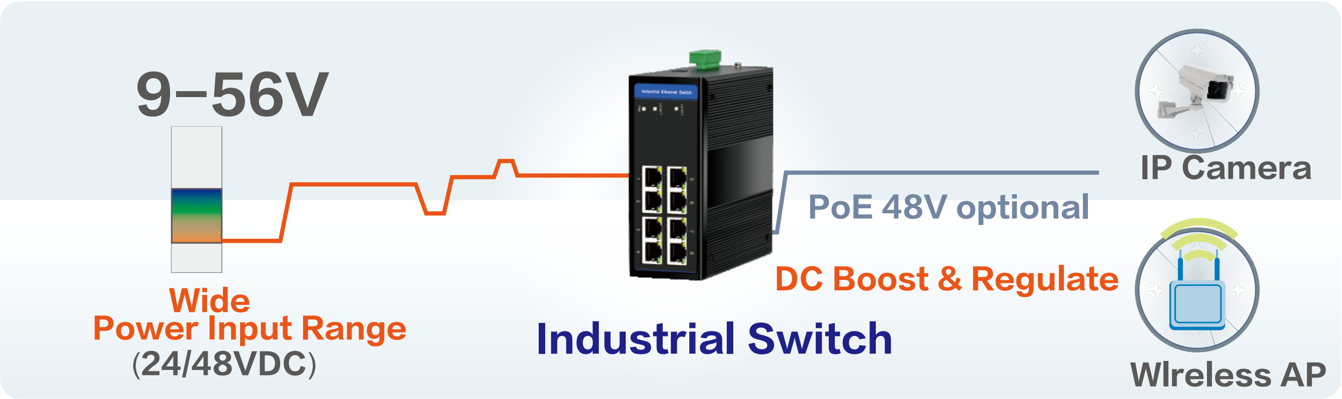


Wall-Mount Kit View

### 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)
Industrial Switch
PoE 48V optional
DC Boost & Regulate
IP Camera
WIreless AP

## Order Information

| Model Number | Port Description |
|---|---|
| OC-7N3202 | Industrial Ethernet Switch, 2 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP |
| OC-7N3204 | Industrial Ethernet Switch, 4 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP |
| OC-7N3008 | Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX |
| OC-7N3108 | Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 1 x 100/1000M Base-FX SFP |
| OC-7N3208 | Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP |
| OC-7N3202P | Industrial Ethernet Switch, 2 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP/ 2xPoE |
| OC-7N3204P | Industrial Ethernet Switch, 4 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP/ 4xPoE |
| OC-7N3008P | Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX/ 8xPoE |
| OC-7N3108P | Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 1 x 100/1000M Base-FX SFP/ 8xPoE |
| OC-7N3208P | Industrial Ethernet Switch, 8 x 10/100/1000M Base-TX + 2 x 100/1000M Base-FX SFP/ 8xPoE |

*Fiber port can add 1*9 module. RJ45 port with PoE optional.