

# LNX-0800-M12-67(-T)

## M12 IP67 ETHERNET SWITCH



### PORT CONFIGURATION

- Support 8\*10/100BASE-TX Fast Ethernet
- Support M12 (5-Pin A-coded Male) Power Connector
- Support M12 (4-Pin D-coded Female) Connector

### RUGGED DESIGN

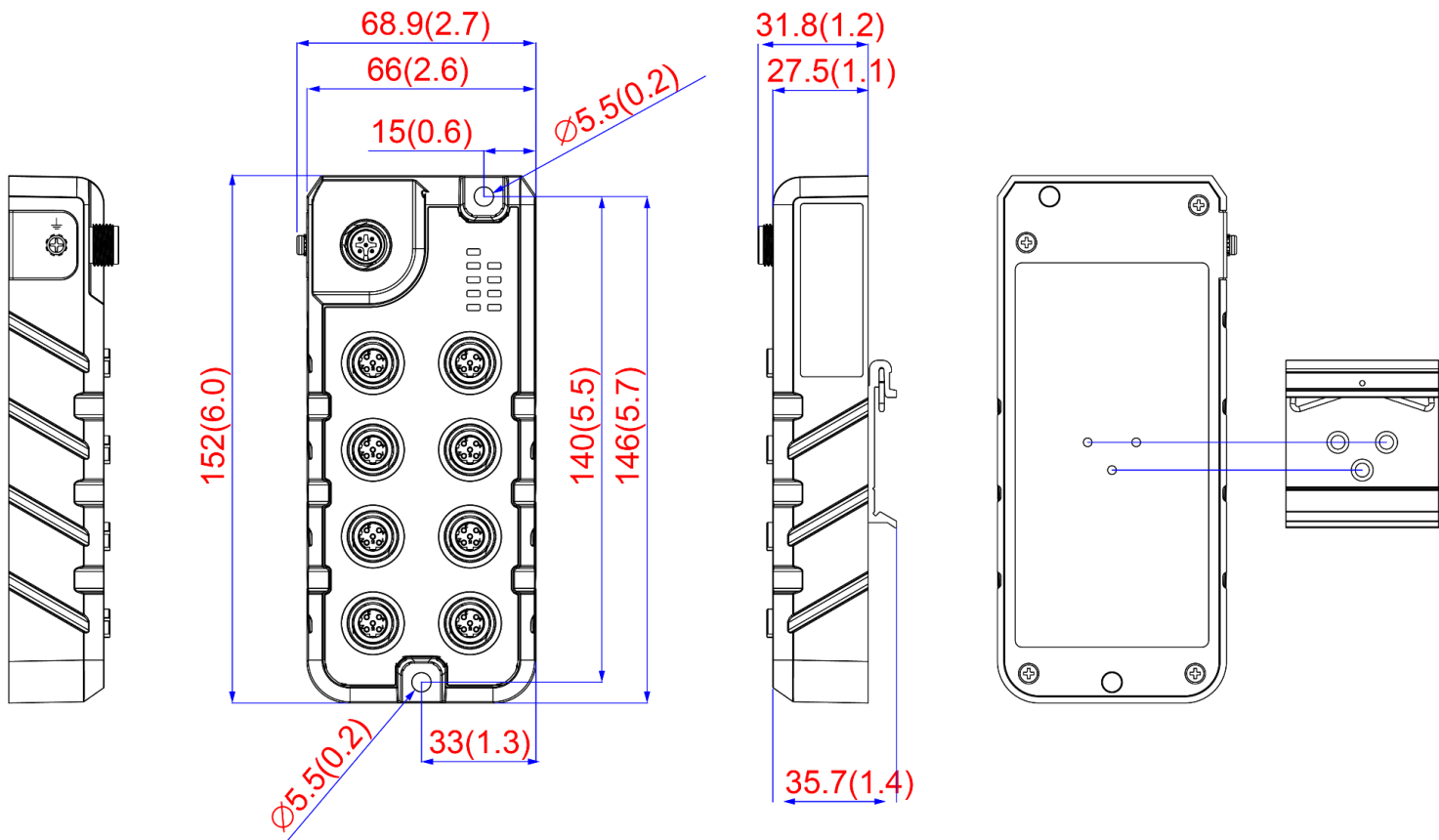
- IP67 Rugged Plastic Case Design
- Redundant Power Input
- DIN-Rail or Wall Mountable
- Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- NDAA and TAA Compliant
- 5-Year Warranty



## INTRODUCTION

The LNX-0800-M12-67 Series is a 8-port Industrial M12 Unmanaged Ethernet Switch that is embedded with 8\*10/100BASE-TX Ethernet ports. With the plastic case IP67 rated and its M12 connectors ensure a tight, robust connection and guarantees reliable operation in applications that are subject to high vibration and shock in environments containing dust, liquid, or laden with gas. This series has two versions: one with standard operating temperature (-10°C to 65°C) and one with extended operating temperature (-40°C to 75°C).

DIMENSIONS



Unit: mm (inch)      Wall-mount      Din-rail

SPECIFICATIONS

| Hardware Specifications |             |     |              |               |                             |
|-------------------------|-------------|-----|--------------|---------------|-----------------------------|
| Part Number             | Total Ports | M12 | System Power | Input Voltage | Operating Temp.             |
| LNX-0800-M12-67         | 8           | 8   | 1.4W         | 12~48VDC      | -10 to 65°C<br>14 to 149°F  |
| LNX-0800-M12-67-T       | 8           | 8   | 1.4W         | 12~48VDC      | -40 to 75°C<br>-40 to 167°F |

| Physical Specifications              |                                        |                  |                   |                        |               |
|--------------------------------------|----------------------------------------|------------------|-------------------|------------------------|---------------|
| Part Number                          | Dimensions (W x H x D)                 | Weight (Unit)    | Weight (Shipping) | Mounting               | Housing       |
| LNX-0800-M12-67<br>LNX-0800-M12-67-T | 66 x 152 x 27.5mm<br>2.6 x 6.0 x 1.1in | 0.35kg<br>0.77lb | 0.47kg<br>1.03lb  | DIN-Rail<br>Wall Mount | Plastic, IP67 |

| Standards                            |                                                                      |
|--------------------------------------|----------------------------------------------------------------------|
| Part Number                          | IEEE Standards                                                       |
| LNX-0800-M12-67<br>LNX-0800-M12-67-T | IEEE 802.3 10BASE-T Ethernet<br>IEEE 802.3u 100BASE-TX Fast Ethernet |

| Switch Properties   |                                                                  |                             |            |
|---------------------|------------------------------------------------------------------|-----------------------------|------------|
| Specification       |                                                                  | Specification               |            |
| Switch Architecture | Back-Plane (Switching Fabric): 1.6Gbps                           | Jumbo Frame                 | 1536 bytes |
| Processing Type     | Store and Forward                                                | MAC Table Size              | 1K         |
| Flow Control        | IEEE 802.3x flow control, back pressure flow control             | Overload Current Protection | Present    |
| Packet Buffer       | 448Kbits                                                         | Reverse Polarity Protection | Present    |
| Transfer Rate       | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port |                             |            |

| Compliance Specifications |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| EMI                       | FCC Part 15 Subpart B Class A<br>CE EN 55032/EN 61000-6-4 Class A |
| EMS                       | CE EN 55035/EN 61000-6-2 Class A: IEC 61000-4-2,3,4,5,6,8         |
| Free Fall                 | IEC 60068-2-32                                                    |
| Shock                     | IEC 60068-2-27                                                    |
| Vibration                 | IEC 60068-2-6                                                     |
| Railway                   | EN50121-3-2, EN50121-4                                            |
| Green                     | RoHS Compliant                                                    |
| Certifications            | FCC, CE<br>UL 61010-1<br>UL 61010-2-201                           |
| Storage Environment       | Storage Temperature: -40 to 85°C                                  |
| Humidity                  | Ambient Relative Humidity<br>5% to 95%, (non-condensing)          |
| Warranty                  | 5 Years                                                           |
| Compliance                | NDAA and TAA Compliant                                            |
| Country of Origin         | Made in Taiwan                                                    |

| Mean Time Between Failures (MTBF) |                                  |                   |                                  |
|-----------------------------------|----------------------------------|-------------------|----------------------------------|
| Part Number                       | MTBF (Telcordia SR-332, Issue 3) | Part Number       | MTBF (Telcordia SR-332, Issue 3) |
| LNX-0800-M12-67                   | 243,867 hrs.                     | LNX-0800-M12-67-T | 243,867 hrs.                     |

# ORDERING INFORMATION

| Switch Models     |                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Part Number       | Description                                                                                                                         |
| LNx-0800-M12-67   | 8-Port M12 Industrial IP67 Waterproof Ethernet Switch, with 8*10/100TX with M12 connector, 12~48VDC Power Input                     |
| LNx-0800-M12-67-T | 8-Port M12 Industrial IP67 Waterproof Ethernet Switch, with 8*10/100TX with M12 connector, 12~48VDC Power Input; EOT: -40°C to 75°C |

| Power Supply Options |         |               |                              |                       |
|----------------------|---------|---------------|------------------------------|-----------------------|
| Part Number          | Wattage | Input Voltage | PoE/PoE+ Support             | Operating Temperature |
| NDR-120-48           | 120W    | 100-240VAC    | Yes, Voltage Adjust 48-55VDC | -20~70°C / -4~158°F   |
| NDR-240-48           | 240W    | 100-240VAC    | Yes, Voltage Adjust 48-55VDC | -20~70°C / -4~158°F   |
| NDR-480-48           | 480W    | 100-240VAC    | Yes, Voltage Adjust 48-55VDC | -20~70°C / -4~158°F   |
| SDR-120-48           | 120W    | 100-240VAC    | Yes, Voltage Adjust 48-55VDC | -25~70°C / -13~158°F  |
| SDR-240-48           | 240W    | 100-240VAC    | Yes, Voltage Adjust 48-55VDC | -25~70°C / -13~158°F  |
| SDR-480-48           | 480W    | 100-240VAC    | Yes, Voltage Adjust 48-55VDC | -25~70°C / -13~158°F  |

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