

## Industrial Gigabit SFP Transceiver - 1000Base-LX, Singlemode, LC Duplex, DDM, -40° to 85°C, 10 km (6.2 mi.), TAA

MODEL NUMBER: N286I-1P25GLXD1



Industrial transceiver module links a Gigabit Ethernet network fiber cable to the SFP port on a switch, firewall or other network device.

### Features

#### Industrial-Grade SFP Transceiver Module Connects Fiber Cabling to Your Network Device

N286I-1P25GLXD1 provides 1000Base-LX throughput over singlemode fiber cable up to 10 kilometers (6.2 miles) at 1310 nm. It complies with IEEE 802.3z 1000Base-LX standards, supports Digital Diagnostic Monitoring (DDM) and transmits bi-directional data at speeds up to 1.25 Gbps. Connect the transceiver to any standard SFP slot on an industrial switch or fiber converter, such as NGI-Series Industrial Gigabit Ethernet Switches.

#### Built to Last in Harsh Industrial Environments

The N286I-1P25GLXD1 adds 10/100/1000 Mbps Gigabit Ethernet connectivity to your industrial application, such as factory automation, rail and intelligent transportation systems (ITSs), marine, oil and gas, mining and other environments with wide temperature ranges. The high-strength housing withstands vibration, shock and free fall. It can also operate in extreme temperatures ranging from -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit).

#### Hot-Pluggable for Installation Without Network Interruption

This transceiver module is fully hot-pluggable, so you can install it without a potentially costly network shutdown or device reboot. Just plug the SFP end of the transceiver into your network device. The other end has an LC duplex connector to link with high-speed fiber cable (sold separately). A convenient bail clasp latch helps you carefully remove the module from the device.

## Specifications

| OVERVIEW            |                                    |
|---------------------|------------------------------------|
| UPC Code            | 037332268334                       |
| Product Type        | Industrial Gigabit SFP Transceiver |
| Brand Compatibility | TRENDnet                           |

### Highlights

- Ideal for harsh environments, including factories, oil and gas, mines and rail systems
- Provides 1000Base-LX throughput up to 10 km via singlemode fiber cabling
- Hot-swappable interface lets you install and uninstall without shutting down
- Industrial-grade transceiver supports operating temperature range of -40° to 85°C
- Supports bi-directional Gigabit Ethernet data transfer rates up to 1.25 Gbps

### System Requirements

Works with standard SFP slots found on industrial switches and fiber converters, such as NGI Series

### Package Includes

N286I-1P25GLXD1 Industrial Gigabit SFP Transceiver



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| CONNECTIONS                         |                                                              |
|-------------------------------------|--------------------------------------------------------------|
| Side A - Connector 1                | SFP (MALE)                                                   |
| Side B - Connector 1                | LC DUPLEX (FEMALE)                                           |
| PHYSICAL                            |                                                              |
| Unit Dimensions (hwd / in.)         | 0.430 x 0.550 x 2.640                                        |
| Unit Weight (lbs.)                  | 0.0377                                                       |
| Unit Weight (kg)                    | 0.02                                                         |
| ENVIRONMENTAL                       |                                                              |
| Operating Temperature Range         | -40° to 185°F (-40° to 85°C)                                 |
| Storage Temperature Range           | -40° to 185°F (-40° to 85°C)                                 |
| Relative Humidity                   | 5% to 95%                                                    |
| Operating Temperature               | -40 to 185 F (-40 to 85 C)                                   |
| COMMUNICATIONS                      |                                                              |
| Network Compatibility               | 1 Gbps (Gigabit)                                             |
| Wavelength                          | 1310nm                                                       |
| Transmission Distance               | 10 km                                                        |
| FEATURES & SPECIFICATIONS           |                                                              |
| Data Transfer Rate                  | 1 Gbps                                                       |
| STANDARDS & COMPLIANCE              |                                                              |
| Product Compliance                  | RoHS; IEEE 802.3z 1000Base-SX/LX; Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT                  |                                                              |
| Product Warranty Period (Worldwide) | 1-year limited warranty                                      |

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