

10 Gb SFP+ to RJ45 Ethernet Media Converter - 850 nm and 1310 nm Compatible, Up to 80 km (50 mi.)

MODEL NUMBER: N786-001-SFP



Extends a 10 Gbps Ethernet network connection over fiber optic cable using your choice of SFP+ transceiver.

Features

Customizes Your Network Extension over Fiber Optic Cable

This network media converter works with a variety of SFP and SFP+ transceivers to convert a copper Gigabit Ethernet signal to fiber optic and extend it to a second network device. The customizable SFP port supports both singlemode and multimode transceivers, allowing your network connection to reach hubs, switches and other devices located up to 80 kilometers (50 miles) away. The N786-001-SFP is ideal for network engineers migrating toward higher-density data centers.

Flexible to Fit Your Network Needs

Not only does the N786-001-SFP support SFP and SFP+ transceivers, as well as DDM functionality, it also supports IEEE 802.3ab 1000Base-Tx and IEEE 802.3z 1000Base-Fx protocols. You can easily hot-swap transceivers and cabling, so no system shutdown is necessary during routine maintenance. Auto-negotiation and automatic MDI/MDI-X configuration seamlessly connect devices without crossover cabling.

LEDs Indicate Installation Performance and Diagnostic Functions

Easy-to-read LEDs on the side of the media converter indicate essential status information, including network speed and connection, signal diagnostics and unit power. LEDs also indicate when a copper or fiber cable has been severed or another cause of disruption in service has occurred.

Protective Metal Housing Built to Withstand a Variety of Hazards

The rugged metallic case is designed to operate in temperatures ranging from 0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit).

Specifications

Highlights

- Customizable converter extends up to 10 Gbps of data via open SFP+ port up to 80 km
- Automatic MDI/MDI-X configuration connects devices without crossover cabling
- Quick installation supports hot-swapping of connected transceivers and network cables
- Durable housing withstands operating temperature range of 0° to 55°C

Package Includes

- N786-001-SFP 10 Gb SFP+ to 10 Gb RJ45 Media Converter
- External power supply (Input: 100–240V, 50/60 Hz, 0.35A; Output: 12V 1A) with 4.5 ft. (1.4 m) cord
- (4) International plug adapters (North America, Europe, U.K., Australia)
- Quick Start Guide

OVERVIEW

UPC Code

037332292353



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| | |
|--|---|
| Product Type | Ethernet Media Converter |
| Technology | Cat5/5e; Cat6; Cat6a; Multimode; Singlemode |
| Optical Mode | OM3; OM4; OM5; OS2; SM |
| Mode Type | Multimode; Singlemode |
| VIDEO | |
| Signal Range (m) | 300 - 80000 |
| DISPLAY | |
| Accessories (Included) | External power supply (Input: 100–240V, 50/60 Hz, 0.35A; Output: 12V 1A) |
| NETWORK | |
| Network Ports | RJ45 (FEMALE) |
| INPUT | |
| AC Power Adapter Plug(s) | AS/NZS 3112 Australia; BS 1363 UK; Europlug; NEMA 1-15P North America |
| AC Power Adapter Input Specs (V / Hz / A) | 100-240V, 50/60 Hz, 0.35A |
| AC Power Adapter Output Specs (V / A) | 12V / 1A |
| AC Power Adapter Cord Length (ft.) | 4.52 |
| AC Power Adapter Cord Length (m) | 1.38 |
| Power Source | AC Adapter |
| POWER | |
| Power Source Type | AC Adapter |
| AC Adapter | Input: 100-240V, 50/60Hz, 0.35A; Output: 12V, 1A |
| DC Barrel Plug | OD: 5.5 x 2.5 x 11mm, Positive Pin, Negative Sleeve |
| Power Consumption (Watts) | 10.00 |
| CONNECTIONS | |
| Side A - Connector 1 | SFP+ (FEMALE) |
| Side B - Connector 1 | RJ45 (FEMALE) |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | PWR (ON) Indicates the device is powered. (OFF) Indicates the device is not powered; Link/Act (FX) Fiber Port Link/Action Status LED (ON) Fiber port is linked. (Blink) Fiber port is activated. (OFF) Fiber port is not linked.; SD-Fiber Signal Status LED (ON) Fiber signal is detected, (OFF) Fiber Signal is not detected.; 10G- UTP Port Speed LED (ON) 2.5G~10G, (OFF) 10/100/1000M.; Link (TX) ON- UTP port is linked, (Blink) UTP port is activated |
| PHYSICAL | |
| Color | Black |



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| Material of Construction | Metal Shell |
| Power Cord Color | Black |
| Housing Color | Black |
| Shipping Dimensions (hwd / in.) | 2.36 x 5.11 x 9.44 |
| Shipping Dimensions (hwd / cm) | 6.00 x 13.00 x 24.00 |
| Shipping Weight (lbs.) | 0.97 |
| Shipping Weight (kg) | 0.44 |
| Unit Dimensions (hwd / in.) | 0.920 x 2.900 x 4.300 |
| Unit Dimensions (hwd / cm) | 2.34 x 7.38 x 10.92 |
| Unit Packaging Type | Box |
| Unit Weight (lbs.) | 1.88 |
| Unit Weight (kg) | 0.85 |
| Housing | Metal |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 131°F (0° to 55°C) |
| Storage Temperature Range | 32° to 140°F (0° to 60°C) |
| Relative Humidity | 5% to 80% RH, Non Condensing |
| COMMUNICATIONS | |
| Network Compatibility | 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 2.5 Gbps; 10 Gbps |
| Network Speed Details | 1000Base-T, 2.5GBase-T, 5GBase-T, 10GBase-T, 10GBase-R |
| Wavelength | 1300nm; 1310nm; 850nm |
| Transmission Distance | 300m to 80Km |
| IEEE Standards Supported | 802.3x |
| Network Compatibility Details | RJ45 Port Supports: 1000Base-T: Cat5 UTP/STP, Max 100 m (328 ft.); 2.5GBase-T: Cat5e UTP/STP, Max 50 m (164 ft.); 5GBase-T: Cat5e UTP/STP, Max 50 m (164 ft.); 10GBase-T: Cat6a UTP/STP, Max 50 m (164 ft.) SFP+ Port Supports: 10Gbps: Multimode 50/125um, Singlemode 9/125um |
| FEATURES & SPECIFICATIONS | |
| Data Transfer Rate | 10 Gbps |
| Mounting Accessory Included | No |
| Working Mode | Full/Half Duplex |
| Ethernet Support | Yes |
| Auto MDIX Support | No |
| DIN Mountable | No |
| Optical Port | SFP |
| STANDARDS & COMPLIANCE | |

| | |
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| External Power Supply Certifications | CE; FCC; GS; LPS; TUV; UL; WEEE; cUL |
| Product Certifications | CAN/CSA-C22.2 No. 62368-1 (Canada); IEC 62368-1; UL 62368-1 |
| Product Compliance | CE (Europe); FCC Part 15 Class B (USA); IEEE 802.3x Flow Control; RoHS; UKCA |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |

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