

# Gigabit Multimode Fiber to Ethernet Media Converter, PoE+ - International Power Cables, 10/100/1000 LC, 850 nm, 550 m (1,804 ft.)

MODEL NUMBER: N785-INT-PLCMM1



Extends your copper Gigabit Ethernet network connection up to 550 m over LC fiber optic cable with the addition of PoE.

## Features

### Extends Power and Data to a PoE+ Device up to 550 m via LC Multimode Fiber Cable

This economical unit converts a multimode fiber optic signal to a copper Ethernet signal that extends both power (48 VDC) and 10/100/1000 Mbps Gigabit Ethernet up to 550 meters (1,804 feet) using Cat5e/6 cabling. The N785-INT-PLCMM1 is ideal for providing power and data to PoE and PoE+ devices, such as security cameras, VoIP telephones, point-of-sale kiosks and access control devices.

### Supports Power over Ethernet to Save You Money and Give You More Installation Choices

PoE saves you the expense and effort of purchasing, connecting and installing individual power supplies for each device. It also helps you install PoE devices in areas far away from AC outlets, such as poles or ceilings.

### Supports Auto-Sensing of Network Speed and Other Advanced Functions

Monitoring and controlling your network nodes is easy with the N785-INT-PLCMM1's advanced features, such as automatic network speed sensing, full/half-duplex auto-detection and automatic MDI/MDIX configuration. Six LEDs indicate the converter's power, PoE, Ethernet network and fiber link statuses at a glance. Link fault pass through (LFP) monitors both the LC and RJ45 ports to ensure link status remains active.

### Completely Plug-and-Play with No Additional Software Required for Connection

The compact metal converter is easy to install and set up with no software or drivers required. The included power supply comes with four international power cables (North America, Europe, United Kingdom, Australia) for connecting to an AC outlet with no computer or other signal source needed.

## Highlights

- Extends power (48 VDC) + data (1000 Mbps) to any edge PoE+ device
- Supports multimode fiber optic cable with LC connectors up to 550 m
- RJ45 jack supports auto-MDI/MDIX to bridge various network devices
- LEDs indicate Ethernet and fiber link status at a quick glance
- Link fault pass through lets you quickly identify any faults in the connection

## System Requirements

- 10/100/1000 Mbps Gigabit Ethernet network
- Multimode SC fiber optic cabling up to 550 m (1,804 ft.)

## Package Includes

- N785-INT-PLCMM1 Gigabit Multimode Fiber to Ethernet Media Converter
- External power supply (Input: 100–240V, 50/60 Hz, 1.5A; Output: 48V 1.25A)
- (4) International power cables (North America, Europe, U.K., Australia)
- Owner's manual

## Specifications

OVERVIEW	
UPC Code	037332273055

Product Type	LC Gigabit Multimode Media Converter
Host Connector	RJ45 (FEMALE)
Mode Type	Multimode
<b>DISPLAY</b>	
Accessories (Included)	External power supply (Input: 100–240V, 50/60 Hz, 1.5A; Output: 48V 1.25A)
<b>NETWORK</b>	
Network Ports	LC (FEMALE); RJ45 (FEMALE)
Network Ports Details	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
<b>INPUT</b>	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 5-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.5A
AC Power Adapter Output Specs (V / A)	48V / 1.25A
AC Power Adapter Cord Length (ft.)	3.61
AC Power Adapter Cord Length (m)	1.1
<b>POWER</b>	
Power Source Type	AC Adapter with detachable power cord
Power Source	Unit (Included)
AC Adapter	Input: 100–240V, 50/60 Hz, 1.5A; Output: 48V 1.25A
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	PWR (Power LED), 1000M (UTP RJ45 Port speed LED), PoE (Power Over Ethernet LED), L/A "FP" (Fiber Port Activity Status LED), L/A "TP" (UTP RJ45 Port Activity Status LED), SD (Fiber Port Link Status LED)
<b>PHYSICAL</b>	
Color	Black
Unit Dimensions (hwd / in.)	0.980 x 2.760 x 3.740
Unit Dimensions (hwd / cm)	2.5 x 7 x 9.5
Unit Dimensions (hwd / mm)	25 x 70 x 95
Unit Packaging Type	Box
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Storage Temperature Range	-4° to 158°F (-20° to 70°C)
Relative Humidity	5% to 90% RH, Non-Condensing

<b>COMMUNICATIONS</b>	
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
Network Speed Details	10 Mbps; 100 Mbps; 1000 Mbps
Wavelength	850nm
Transmission Distance	550 m
<b>CONNECTIONS</b>	
Ports	1
Ports Detail	x1 RJ45 port supports 10/100/1000 Mbps (Gigabit) speeds up to 550m
PoE Capability	15.4W (802.3af); 30W (802.3at)
PoE Power Budget (Watts)	30
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	LC DUPLEX (FEMALE)
PoE Type	Type 1 PoE (15.4W, IEEE 802.3af); Type 2 PoE+ (30W, IEEE 802.3at)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Data Transfer Rate	1 Gbps; 10 Mbps; 100 Mbps
Working Mode	Full/Half Duplex
Auto MDIX Support	Yes
Auto MDI/MDIX Crossover Detection	Yes
Optical Port	LC
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	CCC; CE; FCC; PSE; RoHS; WEEE; cUL
Product Certifications	EN 55024; IEC 62368-1; NOM (Mexico)
Product Compliance	RoHS; RoHS3; CE (Europe); REACH; UKCA; WEEE; FCC (USA); FCC Part 15 Class B (USA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty