

## Gigabit Singlemode Fiber to Ethernet Media Converter, 10/100/1000 SC, 1310 nm, 20 km (12.4 mi.)

MODEL NUMBER: N785-INT-SC-SM



Media converter lets you extend your copper Gigabit Ethernet network connection up to 20 km (12.4 mi.) over fiber optic cable.

### Features

**Extend Your Gigabit Ethernet Signal up to 12.4 Miles via SC Singlemode Fiber Cable** This economical unit converts a copper Ethernet signal to singlemode fiber (and vice versa) to extend a 10/100/1000 Mbps Gigabit Ethernet connection up to 12.4 miles (20 kilometers). Because Cat5e/6 cables are limited to only 100 meters, it is more effective to couple the N785-INT-SC-SM with singlemode fiber cable to reach greater distances. This could include providing network connectivity to employees in a secluded area of a facility, college or branch office or connecting multiple office workstations to a switch located in a separate building.

**Supports Auto-Sensing of Network Speed and Other Advanced Functions** Monitoring and controlling your network nodes is easy with the N785-INT-SC-SM's advanced features, such as automatic network speed sensing, full/half-duplex auto-detection and automatic MDI/MDIZ configuration. Six LEDs indicate the converter's Ethernet network and fiber link status at a glance.

**Supports Singlemode Fiber Cable with SC Connectors** Two N785-INT-SC-SM converters are needed to extend an Ethernet network connection. Singlemode fiber optic cabling with SC ends (such as Tripp Lite's N356-Series, sold separately) connect the two converters. Copper Cat5e/6 cabling (see Tripp Lite's N201-Series, sold separately) connects one converter to your network device, such as a server, and the other converter to a network switch.

**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 connects to a convenient AC outlet with no computer or other signal source needed. International plug adapters for North America (NEMA 5-15P), the United Kingdom (BS 1363), Europe (CEE 7/16 Schuko) and Australia (AS/NZS 3112) are included.

### Highlights

- Extends your copper Gigabit Ethernet network past the standard 100 m limit
- Supports singlemode fiber optic cable with SC connectors
- RJ45 jack supports auto-MDI/MDIZ to bridge various network devices
- Supports both full- and half-duplex operation
- Includes North America, U.K., Europe and Australia plug adapters

### Applications

- Extend a Gigabit Ethernet network up to 12.4 mi. on a college campus or large corporate center
- Provide network connectivity to employees in a secluded area of a facility or branch office
- Connect multiple office workstations to a switch installed in a data center in another building

### System Requirements

- 10/100/1000 Mbps Gigabit Ethernet network
- Singlemode SC fiber optic cabling up to 20 km (12.4 mi.)

### Package Includes

- N785-INT-SC-SM Gigabit Singlemode Fiber to Ethernet Media Converter, 1310 nm, 20 km
- International power supply



(Input: 100–240V)

- (4) International plug adapters  
(North America, U.K., Europe,  
Australia)
- Owner's manual

## Specifications

OVERVIEW	
UPC Code	037332236364
Technology	Cat5/5e; Cat6; Cat6a; Singlemode
Mode Type	Singlemode
INPUT	
External Power Supply Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
POWER	
External Power Supply Input Specs (V / Hz / A)	100-240V~50/60HZ, 0.35A
External Power Supply Output Specs (V / A)	5V, 2A
External Power Supply Cord Length (ft.)	4.5
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Certifications	CCC; CE; FCC; GS; PSE; TUV; UL; cUL
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	DUP (UTP port duplex LED), FP-Link (Fiber port link status LED), PWR (Power LED), TX/RX (UTP Port link status LED), 1000 (UTP port speed LED)
PHYSICAL	
Color	Black
Unit Dimensions (hwd / in.)	1 x 3.7 x 2.76
Unit Weight (kg)	0.20
Unit Weight (lbs.)	0.44
ENVIRONMENTAL	
Operating Temperature Range	32 to 122°F (0 to 50°C)



Storage Temperature Range	-4 to 158°F (-20 to 70°C)
Relative Humidity	5% to 90% RH, Non-Condensing
<b>COMMUNICATIONS</b>	
Network Speed	10/100 Mbps; 1Gbps
Wavelength	1310nm
Transmission Distance	20KM
<b>CONNECTIONS</b>	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SC DUPLEX (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Working Mode	Full/Half Duplex
Optical Port	SC
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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