

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
COMMUNICATIONS	
Network Speed	10/100 Mbps; 1Gbps
Wavelength	1310nm
Transmission Distance	20KM
CONNECTIONS	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	SC DUPLEX (FEMALE)
FEATURES & SPECIFICATIONS	
Working Mode	Full/Half Duplex
Optical Port	SC
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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