

# 1 Gb SC to 1 Gb SC Gigabit Mode Converter - 850 nm and 1310 nm Compatible, Up to 10 km (6.2 mi.)

MODEL NUMBER: N785-MDC-1SCSC



Converts a Gigabit multimode fiber optic signal to a Gigabit singlemode fiber optic signal.

## Features

### Customizes Your Network Extension over Fiber Optic Cable

This network mode converter works with a variety of SC cables to convert a multimode fiber signal to a singlemode fiber optic signal and extend it to a second network device. The mode conversion allows your network connection to reach hubs, switches and other devices located up to 10 kilometers (6.2 miles) away. The N785-MDC-1SCSC is ideal for network engineers migrating toward higher-density data centers.

### LEDs Indicate Installation Performance and Diagnostic Functions

Easy-to-read LEDs on the side of the mode converter indicate essential status information, including network speed and connection, signal diagnostics and unit power. LEDs indicate when a 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 70 degrees Celsius (32 to 158 degrees Fahrenheit).

## Specifications

OVERVIEW	
UPC Code	037332292414
Product Type	Fiber Mode Converter
Technology	Singlemode; Multimode
Optical Mode	OM3; OM4; OM5; OS2; SM
Mode Type	Multimode; Singlemode

## Highlights

- Customizable converter extends up to 1 Gbps of data via SC ports up to 10 km
- Durable housing withstands operating temperature range of 0° to 70°C
- LEDs indicate fiber connection and various statuses, including data transfer speed
- Quick plug-and-play installation gets your fiber network up and running immediately

## Package Includes

- N785-MDC-1SCSC 1 Gb SC Mode 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



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<b>VIDEO</b>	
Signal Range (m)	80000
<b>DISPLAY</b>	
Accessories (Included)	External power supply (Input: 100–240V, 50/60 Hz, 0.35A; Output: 12V 1A)
<b>NETWORK</b>	
Network Ports	SC DUPLEX (FEMALE)
<b>INPUT</b>	
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
<b>POWER</b>	
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
<b>CONNECTIONS</b>	
Side A - Connector 1	SC DUPLEX (FEMALE)
Side B - Connector 1	SC DUPLEX (FEMALE)
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal Shell
Power Cord Color	Black
Housing Color	Black
Shipping Dimensions (hwd / in.)	2.36 x 5.11 x 9.44



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Shipping Dimensions (hwd / cm)	6.00 x 13.00 x 24.00
Shipping Weight (lbs.)	0.99
Shipping Weight (kg)	0.45
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 Dimensions (hwd / mm)	26 x 95 x 110 mm (1 x 3.74 x 4.3 in.)
Unit Packaging Type	Box
Unit Weight (lbs.)	1.88
Unit Weight (kg)	0.85
Housing	Metal
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 158°F (0° to 70°C)
Storage Temperature Range	32° to 158°F (0° to 70°C)
Relative Humidity	5% to 90% RH, Non Condensing
<b>COMMUNICATIONS</b>	
Network Compatibility	1 Gbps (Gigabit); 1000 Mbps
Network Speed Details	10 Mbps; 100 Mbps; 1000 Mbps
Wavelength	1300nm; 1310nm; 850nm
Transmission Distance	500m to 10Km
IEEE Standards Supported	802.3u; 802.3z
Network Compatibility Details	Singlemode: 1310 nmMultimode: 850 nm
<b>FEATURES &amp; SPECIFICATIONS</b>	
Data Transfer Rate	1 Gbps
Mounting Accessory Included	No
Working Mode	Full/Half Duplex
Ethernet Support	Yes
Auto MDIX Support	No
DIN Mountable	No
Optical Port	SC
<b>STANDARDS &amp; COMPLIANCE</b>	
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); REACH; RoHS; UKCA



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WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	2-year limited warranty
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1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

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