



SC SM Media Converter



DATA SHEET

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10 & 100 & 1000M Media Converter SC SM

10/100/1000M is a fast Ethernet optical media converter which is an adaptable new product utilized for optical transmission through high-speed Ethernet. It is proficient in switching between twisted pair and optical, transmitting across 10/100 Base-TX/1000 Base-Tx and 1000 Base-Fx network sections, meeting over long distances, high-broadband fast Ethernet and High-speed work group users need by achieving high-speed remote inter connection up to 100km's relay-free computer data network.

With stable and dependable operation, pattern in accordance with Ethernet standard and lightning protection. It is especially applicable to a wide range of fields demanding a diverse broadband data network and high-reliability data transmission. Dedicated IP data transfer network, namely railway, telecommunication, military, cable television, civil aviation, finance and securities etc. An ideal type of facility to build broadband campus network, intelligent broadband FTTB/FTTH networks.

Features

- Supported Ports: SC for optical fibre, RJ45 for twisted pair
- Auto MDI/MDIX supported without requiring cable selection
- In accordance with Ethernet standards IEEE802.3, 10/100Base-TX/1000Base-TX and 1000Base-FX
- Auto-adaptation rate and full/half-duplex mode supports at twisted pair port
- Comes with external and built-in DC power supplies
- Up to 6 LEDs for status indication of optical power port and UTP port
- Supports up to 1024 MAC addresses
- Supports conflicting frames detection in half-duplex and flow control in full duplex
- Supports 512 kb data storage integrated, and 802.1X original MAC address

**Specifications are subject to change without notice based on technical recommendations and related product enhancements*

No.	Technical Specification	Parameters
1	Number of network ports	1 channel
2	Number of optical ports	1 channel
3	NIC transmission rate	10/100/1000Mbit/s
4	NIC Transmission mode	10/100/1000M adaptive with support for automatic inversion of MDI/MDIX
5	Transmission range	0-20KM
6	Optical port transmission rate	1000Mbit/s
7	Operating temperature	0°C to + 50°C
8	Operating voltage	AC 220V or DC +5V
9	Overall power	<3W
10	Network ports	RJ45 port
11	Optical specifications	Optical port: SC, FC,ST (optional)
		Multi mode: 50/125, 62.5/125um
		Single mode: 8.3/125, 8.7/125um, 8/125,10/125um
		Wavelength-single mode: 1310/1550nm
12	Data channel	IEEE802.3x and collision base backpressure supported
		Working mode: full/half duplex supported
		Transmission rate: 1000Mbit/s
		Multi mode: 50/125, 62.5/125um with error rate of zero

Ordering Information

Part number	Description
C.05.MC.S1.SC.B	Gigabit SC SM 9/125- 10/100/1000

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