

CS-1000C-SFP

Mini-size 1G media converter with SFP slot

Description:

The **CS-1000C-SFP** is mini-size compact 1000BASE optical/Ethernet media converter that enables the conversion of 10BASE-TX and 100/1000BASE-TX electrical signals into 1000BASE-X optical signals. This allows for the transmission of Ethernet signals over long distances in a duplex manner using optical fiber. **CS-1000C-SFP** has an SFP optical module interface without optical transceiver module mounted. The user can choose a variety of SFP optical modules to use, such as multi-mode, single-mode.

CS-1000C-SFP provides auto MDI/MDI-X on its TP port and the DIP switch to configure the Link Fault Pass through function (LFPT). The LFPT function includes the Link Loss Carry Forward (LLCF)/Link Loss Return (LLR). LLCF/LLR can immediately alarm administrators the problem of the link media and provide efficient solution to monitoring the net.



CS-1000C-SFP-DC

1) Set by DIP switch

Features:

- 1000BASE-X Fiber to 10/100/1000BASE-X UTP Converter
- Fiber optic – SFP slot
- LED signalization
- Forward 9K mode or Store and forward mode¹
- Jumbo frame 9K support
- Auto-Cross over for MDI/MDIX in TP port
- Support Link Fault Pass Through (LFPT) Function¹

Technical specifications:

<i>Product Description</i>	1000BASE-X Fiber to 10/100/1G BASE-T UTP Media Converter
<i>Standards</i>	IEEE 802.3, 10BASE-T, IEEE 802.3u, 100Base-TX, IEEE 802.3ab, 1000Base-T, IEEE 802.3z, 1000Base-SX/LX
<i>Ports</i>	1 x 10/100/1000Base-T port, 1 x 1000Base-SX/LX port
<i>Mode selection</i>	Forward mode /Store and forward mode
<i>Copper Interface</i>	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair
<i>Optical Interface</i>	SFP slot
<i>Special function</i>	LFPT 9k Jumbo frames Adaptive 100M/1000M by Switch function
<i>LED Indicator</i>	<ul style="list-style-type: none"> ▪ PWR ▪ TP LINK/ACT, 1000 ▪ Fiber LINK/ACT
<i>DC Power Connector</i>	Jack 5.5 / 2.5 mm or 5.5 / 2.1 mm
<i>DC Power voltage</i>	5V – 12V DC, 1 A
<i>AC/DC Power Adaptor</i>	85-265 V AC / 50 Hz
<i>MTBF</i>	More than 50 000 hours
<i>Temperature Operation</i>	0 to +50 °C or optionally -40 to +80 °C (industrial type)
<i>Temperature Storage</i>	-40 to +70 °C or optionally -40 to +85 °C (industrial type)
<i>Humidity</i>	From 5 to 95%
<i>Dimensions, Weight</i>	69 x 50 x 25 mm, 100 g

Ordering Code:

CS-1000C-SFP¹ - (I)² - DC(CS)³

Industrial type 40 to +85 °C	Type of power supply DC AC/DC power adaptor DCCS DC clamp screws for power cable connection
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Note: 1) SFP transceiver is possible to order as optional accessories
 2) I - Industrial temperature range -40 to +85 °C
 3) DCCS - DC clamp screws for power cable connection

Standard ordering code:

CS-1000C-SFP-DC	1G media-converter with AC/DC power adaptor
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Standard accessories:

- Converter
- User manual
- AC/DC adapter



Front view of
CS-1000C-SFP-DC



Rear view of
CS-1000C-SFP-DC



AC/DC adaptor

DIP switch settings:

	<i>ON (downward)</i>	<i>OFF (upward)</i>
SW1	Enable Link Fault Pass -Through	Disable Link Fault Pass -Through
SW2	Forward 9K data packets (Converter mode)	Store and forward (Switch mode)
SW3	Flow control enable	Flow control disable
SW4	Ethernet Speed 100 Mbps	Ethernet Speed 1000 Mbps

The DIP switch can disable or enable the LFPT function.
 The LLCF means when a device connected to the converter and the TP line loses the link, the converter's fiber will disconnect the link of transmission.
 The LLR (Link Loss Return) means when a device connected to the converter and the fiber line loses the link, the converter's fiber will disconnect the link of transmission.
 Both can immediately alarm administrators the problem of the link media and provide efficient solution to monitoring the network.