

CS-1000C

Mini size 1G media converter

Description:

The **CS-1000C** series are small size Gigabit Ethernet - Fiber converters designed to be media interfaces between 10/100/1000Base-T Ethernet copper pairs cable and 1000Base-X fiber optics cable. They feature a RJ-45 connector, and a pair of fiber optic connectors. The Gigabit Fiber Converters give you the freedom to extend your 10/100/1000 Mbps cabling distance by allowing connectivity 2 kilometers for multimode optical fiber and 20 kilometers using single mode optical fiber. LED indicators signal the power status of the converter, the Ethernet port and the FX port activity.



CS-1000C-S31-20

Features:

- 1000BASE-X Fiber to 10/100/1000BASE-X UTP Converter
- Single mode and multimode application
- LED signalization
- Flow control enable / disable
- Jumbo frame 9K support
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Support Link Fault Pass Through (LFP) Function

Specification:

Standards	IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3ab 1000Base-T 802.3z 1000Base-X
Packet length	Jumbo frame 9K support
Mode	Store and Forward Switch Mode ¹
Fiber Cable	Multimode: 50/125, 62.5/125 µm Single mode: 9/125 µm
Fiber Connector	Duplex SC
UTP Connector	RJ-45
LED Display	PWR TPL LINK/ACT, 1000 Fiber LINK/ACT
Dimensions	50 x 69 x 25 mm
Weight	100 g
DC Power Input Connector	DC, 5 to 12V, 5.5*2.1 mm
Output of AC/DC Power Adaptor	5V DC / 1 A, 12V DC / 1 A
MTBF	More than 50 000 hours, in accordance with the standard of telecom operation
Temperature Operation	0 to +50 °C
Temperature Storage	-40 to +85 °C
Humidity	5 to 95% not condensing
RoHS compliant	

¹ Set by switch

Ordering code:

CS-1000C	-	Xyy		-	XX		-	DC	
		X -Type of SFP	yy - Wavelength		Distance	Type of power adaptor			
		S SM	31 1310 nm		02 2 km	DC 5V AC/DC			
M MM	30 1300 nm	20 20 km	DC12 12V AC/DC						
		85 850 nm							

Standard ordering code:

CS-1000C-S31-20-DC	1G converter, SM, 1310 nm, 20 km distance, 5V
CS-1000C-M30-02-DC	1G converter, MM, 1300 nm, 2 km distance ² , 5V
CS-1000C-M85-02-DC12	1G converter, MM, 850 nm, 2 km distance ² , 12V

² Depends on cable type

Standard accessories:

- Converter
- User manual
- AC/DC adapter

DIP switch settings:

	ON (downward)	OFF (upward)
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.