

CS-1000C/E/E

Mini size 1G industry media converter

Description:

The CS-1000C/E 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. The CS-1000C/E provides auto MDI/MDI-X on its TP port and the DIP switch to configure the Link Fault Pass through function (LFP). The LFP 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 network.



CS-1000C-S31-20/E

Features:

- 1000BASE-X Fiber to 10/100/1000BASE-X UTP Converter
- or 100BASE-FX Fiber to 10/100BASE-X UTP Converter¹
- LED signalization
- Support VLAN super-long data packet transmission, and match use with switch machine supporting IEEE802.1Q protocol, MTU≥10240
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Support Link Fault Pass Through (LFP) Function¹
- DIN rail mount holder

Specification:

Standards	IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX, 802.3ab 1000Base-T, 802.3z 1000Base-X,
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, SYN, LNK, SPD
Dimensions	53 x 61 x 38 mm
Weight	100 g
DC Power	DC 12 V / 0.15 A
Output of AC/DC Power Adaptor	1 A @ 5 V DC
MTBF	More than 50 000 hours, in accordance with the standard of telecom operation
Temperature Operation	-40 to +85 °C
Temperature Storage	-40 to +85 °C
Humidity	5 to 95% not condensing
RoHS compliant	

Ordering Code:

CS-1000C-S31-20-DC/E 1G converter single mode 1310 nm, 20 km distance

DIP switch setting

1	ON	LFP-ON, fault of one port can pass to another port
	OFF	LFP-OFF, fault of one port can not pass to another port
2	ON	optical port is 100M
	OFF	optical port is 1000M
3	Retain	
4	Retain	

LED signalling:

NAME	COLOR	STATE	DESCRIPTION
PWR	Green	On	power is connected
		Off	power is not connected
SYN	Green	On /flash	local Ethernet optic port is linked/there is data transmitting and receiving
		Off	Local Ethernet optic port is not linked
LNK (R45 up)	Green	On/flash	Ethernet electric is linked/there is data receiving and transmitting
		Off	Ethernet electric port is not linked
SPD (R45 up)	Green	On	1000M Ethernet electric port
		Off	100M Ethernet electric port

Pictures:



Set converter with AC/DC adaptor



Front panel view



Rear panel with DIN rail holder