

## 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.



### 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

### Specifications:

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 <sup>1</sup>
Fiber Cable	Multimode: 50/125, 62.5/125 $\mu\text{m}$ Single mode: 9/125 $\mu\text{m}$
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 12 V, 5.5*2.1 mm
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	0 to +50 °C
Temperature Storage	-40 to +85 °C
Humidity	5 to 95% not condensing
RoHS compliant	

Note: 1 Set by switch

**Ordering code:**

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

**CS-1000C-M30-02-DC** 1G converter multimode 1300 nm, 2 km distance <sup>2</sup>

**DIP switch setting**

ON (downward) OFF (upward)

SW1 Enable Link Fault Pass -Through Disable Link Fault Pass -Through

SW2 Forward 9K data packets Store and forward

SW3 Flow control enable Flow control disable

SW4 Ethernet Speed 100 Mbps Ethernet Speed 1000 Mbps

Note: 2 Depends on cable type