

CS-G01F02M

1x1000Base-X to 2x10/100/1000Base-T Fiber Media Converter

Description:

CS-G01F02M is a high-performance fiber media converter designed to facilitate seamless conversion between Ethernet twisted pair and optical signals. It features 1x1000M SFP port and 2x10/100/1000M RJ45 ports, enabling robust network connectivity with extended transmission distances of up to 100 km.

Engineered for exceptional reliability, **CS-G01F02M** includes link fault alarms, a wide operating temperature range, and integrated lightning protection for both ports and power supply. These advanced features make it particularly well-suited for outdoor monitoring applications in rail transit, smart cities, and intelligent transportation systems.



CS-G01F02M

Features:

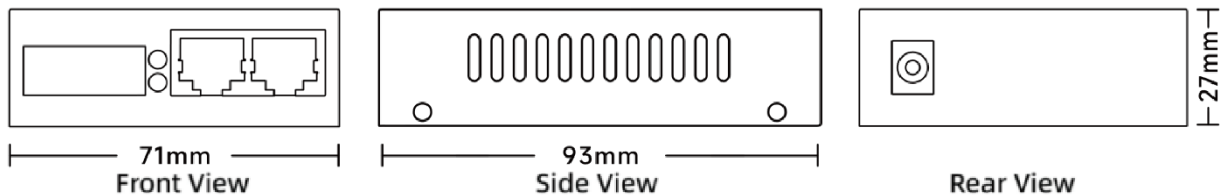
- Input Voltage: 5 - 12V DC
- Operating Temperature: -10°C ÷ +55°C
- Shell: Fan-less design
- MTBF: 100 000 hours

Specifications:

<i>Provider Mode Ports</i>	
Fixed port	2x 10/100/1000M RJ45, 1x 1000M SFP
Power interface	DC Interface
<i>LED Indicators</i>	
1	Optical port rate indicator
2	Power indicator light
Link/Act	Link status indicator
<i>Cable Type & Transmission Distance</i>	
Twisted-Pair	0-100m (CAT5e, CAT6)
Single-mode optical fiber	20/40/60/80/100 km
Multi-mode optical fiber	550m
<i>Electrical Specification</i>	
Input voltage	5 ÷ 12V DC
Total power consumption	≤ 6 W
<i>Layer 2 Switching</i>	
Switching capacity	16G
Packet forwarding rate	14.388 Mpps
MAC address table	2K

Buffer	1M
Forwarding delay	5 μ s
MDX/MIDX	Support
Jumbo frame	Support 9 Kbytes
<i>Environment</i>	
Operating temperature	-10°C ÷ +55°C
Storage temperature	-40°C ÷ +75°C
Relative Humidity	5% ÷ 95% (Non-Condensing)
Thermal Methods	Fan-Less, Natural Cooling
MTBF	100 000 hours
<i>Mechanical Dimensions</i>	
Product size	93 x 71 x 27 mm
Installation Method	Desktop/Wall-mount
Weight	0.2 kg
Certificates	CE/FCC/RoHS

Dimensions:



Ordering Information - Examples of code:

PART NO.	DESCRIPTION
CS-G01F02M	2x10/100/1000Base-T, 1x1000Base-X, SFP slot
CS-G01F02M-LC20-D-S	2x10/100/1000Base-T, 1x1000Base-X Single Mode, Dual Fiber, 1310 nm, LC, 20 km
CS-G01F02M-SC20-D-S	2x10/100/1000Base-T, 1x1000Base-X Single Mode, Dual Fiber, 1310 nm, SC, 20 km
CS-G01F02M-SC20-BiDi-S13	2x10/100/1000Base-T, 1x1000Base-X Single Mode, Single Fiber, Tx1310/Rx1550 nm, SC, 20 km
CS-G01F02M-SC20-BiDi-S15	2x10/100/1000Base-T, 1x1000Base-X Single Mode, Single Fiber, Tx1550/Rx1310 nm, SC, 20 km

CS-G01F02M-SC20-D-S



Rear view of CS-G01F02M

