

CS8011SFP

Rugged designed, Industrial Gigabit Media Converter, supports wide range power input 18-36VAC/12-56VDC, -20°C to +70°C
10/100/1000M TX to 100/1000M SFP , Designed for Security, Transportation and Telco applications.

Key Features:

Rugged design enclosure.

Supports 18V-36VAC/12V-56VDC, Redundant power input

Supports Link Fault Pass through (LFP) function

Supports switch model and converter mode.

Adjustable SFP speed 100M or 1000M

Surge protection diodes on power input.

ESD protection diodes on RJ-45 port

Provides Far End Fault function on FX port.

Provides increased Noise Immunity

Extended environmental specification -20°C to 70°C



CS8011SFP

Models Available:

CS8011SFP – Industrial Gigabit Media Converter, 10/100/1000MTX to 100/1000M SFP

Introduction

This mini, rugged Industrial Gigabit media converter is designed for Security, Transportation and Telco application to expand your network distances. It can be powered by wide range of VAC , VDC or external DC power adapter . With its multi-purpose design, it can also be used for Din-Rail or wall-mounted. It is an ideal unit for IP surveillance, traffic monitoring and Security application in critical environment. It can tolerate -20°C to 70°C in harsh environment to perform a reliable network.

Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Architecture	Full wire speed conversion Auto negotiation Full/Half duplex Auto MDI/MDI-X function Supports LFP (Link Fault Pass Through) function Supports 9K bytes jumbo frame
Packet Buffer Size	1M
Jumbo Frame	9KB
Network Connector	Twisted Pair: 10/100/1000 Base-T(X) RJ-45 Distance 100 Meter Optical Fiber: SFP pluggable fiber, 100M or 1000M by adjustable dip switch
LED Indicators	Power: PW1(Power) - Green PW2(Power) - Green Twisted Pair: 1000M/Link/Act - Green 100M Link/Act - Yellow Optical Fiber: Link/Act - Green
DIP Switch Function	Set LFP (Link Fault Pass Through) : Enable / Disable Set Switch mode / Pass Through mode. Set SFP speed 100M or 1000M Set Enable or Disable SFP Auto-Negotiation
Power Protection	Surge protection diodes on power input Reverse polarity protection on power input Overload current protection
Power Input	Redundant Power 1 and Power 2 18V-36VAC or 12V-56VDC

Power Consumption	Max Power: 3 Watts
Removable Terminal Block	4 pin contact terminal block for power input Wire range : 0.34mm ² to 2.5mm ² Solid wire (AWG) : 12-24/14-22 Stranded wire(AWG) : 12-24/14-22 Wire Strip length : 7-8mm Torque : 5lb-In/0.5Nm/0.56Nm
Operating Temperature	-20°C~70°C, (wide temp -40°C to 75°C T model also available)
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C~85°C
Housing Design	IP40 Design, high graded Aluminum
Case Dimension (LxWxD)	103.5mmx32mmx81.5mm (LxWxD)
Installation	DIN Rail mounted Panel Mounted
Certifications:	
EN55022/24	ITE equipment
EN50155	Railways Applications Electronic Equipment used on Rolling Stock
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
Safety	IEC EN60950-1
EMC/EMS	CE, FCC
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall
Traffic Control	NEMA TS2 compliant

Housing Dimension

