

Industrial Media Converter

WI-PS302GF-I

Overview

Wi-Tek industrial media converter provide 1 Gigabit Ethernet RJ-45 port and 1 Gigabit SFP slot. It combines Ethernet media conversion with 802.3af/at/bt PoE (PoE++) power to deliver up to 60 watts (60W Mode) of power output and high data transmission speed to PDs (powered devices) which installed in a remote area and the sufficient and reliable power input is required. Gigabit SFP slot provides long distance, high speed data transmission to a remote core network.

Professional design providing a flexible, easy to use and reliable industrial network solution. Redundant power design guarantee the stable power supply. Solid shell, wide operation temperature from -40°C to 80°C design, ensure its reliable operation even in harsh environment.

It is the best choice for outdoor CCTV project, wireless coverage project and the project of industrial application scenarios.

Features

Long Distance Transmission Solution

It provides 100 meters maximum PoE power and data transmission and integrated with fiber interface for further data transmission distance applications. (SFP slots support 100BASE-FX/1000BASE-X multi/single mode SFP module and transmission distance up to 120km depending on SFP module)

-40°C~80°C Operating Temperature

-40°C~80°C working temperature design, makes it meet the requirement of harsh

High Level Protection Design

6kV surge immunity for power and Ethernet ports, 15kV air discharge and 8kV contact discharge ESD protection, makes it an ideal choice for outdoor application scenario.

Multiple Smart DIP Mode

1. Fiber Watchdog Mode: monitor the fiber connection status, and if no data is transmitted, the port will restart automatically.
2. PoE Watchdog Mode: All PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.
3. Extend Mode: The transmission distance of PoE port can be up to 250m, but the rate is limited to 10Mbps.
4. 60W PoE Mode: Enable this function, the PoE port will output 60W PoE power. Disable this function, the PoE port output 802.3at 30W PoE power.

Redundant DC Power Input Design

Support redundant 37-57V DC power input, provide reliable alternative power access solutions.



Specifications

Model	WI-PS302GF-I
Hardware Specification	
Interfaces	
Ethernet Port	1*10/100/1000 Base-T PoE+ +RJ-45(Auto-MDI/MDI-X)
Fiber Port	1*1000 Base-X SFP slot
DIP Switch	1.Fiber Watchdog 2.PoE Watchdog 3.Extend 60W PoE
PoE	
PoE Standard	IEEE 802.3af/at/bt (PSE)
PoE Power Supply Type	Mid-span, End-span
PoE Pin Assignment	1/2 (-), 3/6 (+), 4/5 (+), 7/8 (-)
PoE Power Output	37~55V DC
PoE Power	60W
Switch Property	
Standards	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3z Gigabit Ethernet over Fiber Optic IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3bt Power over Ethernet Plus Plus
Power Supply	
Input Voltage	Power 1 (Main): 37~57V DC(PoE Switch) 12-37V DC(Non-PoE Switch) Power 2 (Backup): 37~57V DC(PoE Switch) 12-37V DC(Non-PoE Switch) DC Jack: 37~57V DC(PoE Switch) 12-37V DC(Non-PoE Switch)
Power Consumption	Full loading without PoE ≤ 6W PoE power budget ≤ 66W
Connector	Removable 4-pin terminal block, DC Jack
Environmental Reliability	
Surge Immunity	6kV
ESD	8kV Contact Discharge, 15kV Air Discharge
Operating Temperature	-40°C~80°C
Storage Temperature	-40°C~85°C
Operating Humidity	5%~95% (Non-condensation)
LED Indicators	
PW (Power indicator)	Off: the device is power off or failed On: the device power on is normal
V1/V2/V3 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2/V3 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
EX Indicator	Off: Extend mode is disabled. On: Extend mode is enabled.

SFP Indicator	Off: ports link down Green On: ports link up Blinking: data on TX/RX
Dimensions (W*D*H)	110*96*31 mm
Net Weight	295g
Gross Weight	390g
Installation	Wall/DIN-rail mounting
Certifications	
Certifications	CE, FCC, RoHS

Package Content

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Industrial Media Converter	1 pcs
Wall mounting Accessory	1 set



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Technical Support



Cloud Management



Company Website