

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, Power 2 (Backup): 37~57V DC, DC Jack: 37~57V DC |
| 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



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