

WPC-2112 Series Media Converter



Features

- **IEEE 802.3at PoE/PSE**
Support IEEE 802.3at PoE feature to feed power to remote device and facilitate the deployment in the power unreachable application
- **Link Alarm**
Support link alarm function to help network administrators rapidly manage and recover network fault
- **Power Redundancy over DC Input by Terminal Block**
Support power redundancy over DC input to keep the healthy network connection without power outage risk for general industrial application
- **9K Bytes Jumbo Frame Size**
Support jumbo frame size 9K bytes to ease the network traffic loading and facilitate IPTV service
- **Power Down Trap**
Built-in CTS unique SNMP power down trap function to rapidly identify network fault due to power outage and reduce truck rolls to save OPEX for operators or service providers
- **DIN RAIL/Wall Mounting Installation Type**
Support both DIN RAIL and wall mounting type to facilitate the installation flexibility for general industrial application
- **Operating Temperature -20 °C ~ 60 °C**
Supports extended operating temperature to guarantee the reliability and stability in the critical environmental condition with affordable cost

Target Applications

- **SNMP managed Fast Ethernet media converter for point-to-point fiber connection which requires reliable and stable link under critical environmental condition of general industrial application**

10/100Base-TX to 100Base-FX Fast Ethernet Management Media Converter with Built-in IEEE802.3at PoE/PSE Feature and Extended Operating Temperature

Description

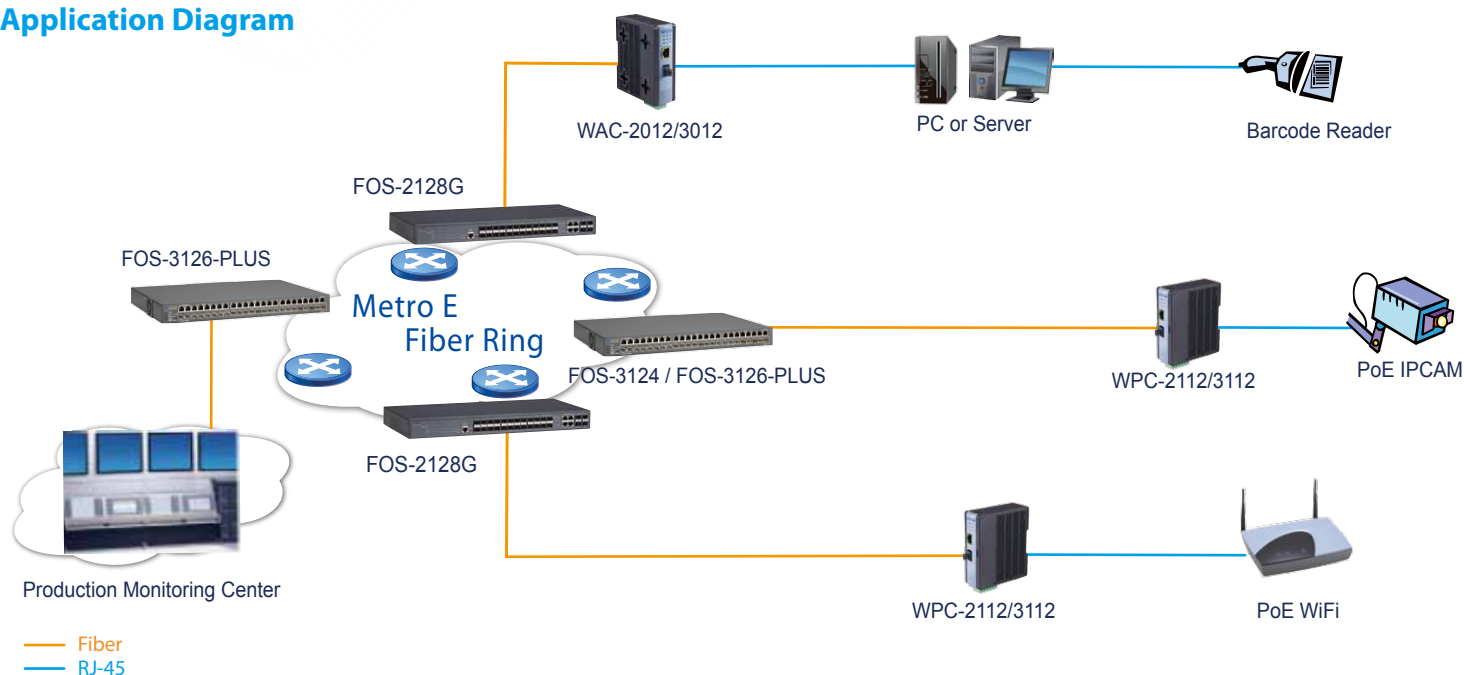
Connection Technology Systems (CTS) WPC-2112 series media converter are Fast Ethernet 10/100Base-TX to 100Base-FX media converter which is designed to fulfill the emerging deployment needs of fiber Ethernet network for operators and service providers with SNMP managed functionality.

When WPC-2112 is deployed at customer premises, the media converter can be fully managed by the network equipment in the Central Office site by popular SNMP based network management server (NMS). By leveraging the benefits of CTS unique SNMP based power down trap feature, the WPC-2112 is able to send SNMP based trap message to NMS immediately when detects power failure on converter at customer site. It can significantly reduce truck rolls and save the operational cost (OPEX) for operators or service providers.

The flexible power options that WPC-2112 provides have either DC power or AC/DC power adaptor to fulfill most of practical deployment scenarios. The extended operating temperature of WPC-2112 media converter is from -20 °C to 60 °C which enables users to install the equipment under critical environment without reliable and stable concerns. It is especially designed for network operators, metro Ethernet providers, enterprise, SMB customer segment, who have the need of implementing fiber optical Ethernet networks over long distance for FTTx solutions with the demand of wide operating temperature, and are looking for an effortless and robust 100Mbps media converter.

WPC-2112 series media converter is fully compliant with IEEE 802.3, 802.3u, 802.3at standards. Besides, it is equipped with some switching features including flow control and store and forward. Additionally, Link Alarm feature enables the administrator to monitor the fiber link status in visually and intuitively mechanism.

Application Diagram



Specification

Interface

TP Port
10/100Base-TX RJ45 x 1
F/O Port
100Base-FX x 1

Standards

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3x Flow Control
IEEE 802.3at PoE/PSE

H/W Specification

Auto-Negotiation in TX port
MDI/MDIX Auto-Crossover supported
Support Link Alarm
1K MAC Address Table

LED

PW ADC, PW T1, PW T2, TP Link/ACT,
Speed, FDX, F/O Link/ACT, PWR/Port
Status, PoE

Ethernet Features

Support 9K Bytes jumbo frame
Support Flow Control
Wire Speed Store and Forward Switching
Mechanism

Other Features

DIP Switch configuration
Push Button

Installation Type

Wall Mounting
DIN Rail Mounting

Power Requirement

DC Input:
DC Power Jack x 1
Terminal Block x 2
Input Voltage: 48VDC

Environmental Condition

Operation: -20° ~ 60°C
- Storage Temperature: -20° ~ 70°C
- Humidity: 5% ~ 90%, non-condensing

Dimension & Weight

Size: 105x93x35 mm (WxDxH)
Shipping Weight: 295g

EMC/Safety

FCC Part 15 Class A, CE
* For further reports, please contact us for
update

Order Information

MODEL	FIBER PORT					TP PORT	
	Speed	Fiber Type	Connector	Distance	Ports	Speed	Ports
WPC - 2112BTFC	100	MM	SC	2KM	1	10/100	1
WPC - 2112BTFT	100	MM	ST	2KM	1	10/100	1
WPC - 2112BTFC (SM - 30/50/80/100)	100	SM	SC	30/50/80/100KM	1	10/100	1
WPC - 2112W2A(SM - 20/40)	100	WDM	SC	20/40KM	1	10/100	1
WPC - 2112W2B(SM - 20/40)	100	WDM	SC	20/40KM	1	10/100	1
WPC - 2112SFP	100	SFP	-	-	1	10/100	1

OPTIONAL POWER ADAPTOR ACCESSORY FOR WPC SERIES PRODUCTS

WAP-PW-48J90	48V/90W AC to DC POWER ADAPTOR FOR WAC/WPC/WAS SERIES PRODUCTS	US/UK/AU/EU Standard Working TEMP. range:0~50°C
WAP-PW-48D75	48V/75W DIN RAIL POWER SUPPLY FOR WAC/WPC/WAS SERIES PRODUCTS	
WAP-PW-48D240	48V/240W DIN RAIL POWER SUPPLY FOR WAC/WPC/WAS/WPS SERIES PRODUCTS	