Installation Guide

Industrial/Hardened PoE Switch

WI-PS302GF-I / WI-PS306GF-I / WI-PS310GF-I / WI-PMS305GF-I
WI-PMS306GF-I / WI-PMS312GF-I / WI-PS305G-I-DC
WI-PMS310GF- Alien-I / WI-PS206-I / WI-PS208-I

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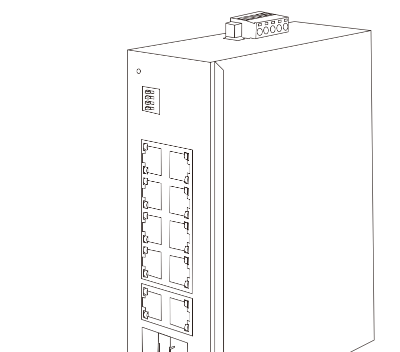
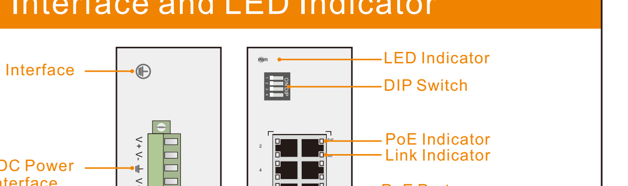
1. Package Content



1 x Switch

1 x Installation Guide

2. Interface and LED Indicator



WI-PS302GF-I

Interfaces	
Ethernet Port	1*10/100/1000 Base-T 60W PoE+ + RJ-45
Fiber Port	1*1000 Base-X SFP slot
DIP Switch Mode	
1. Fiber Watchdog	Monitor the fiber connection status, and if no data is transmitted, the port will restart automatically.
2. PoE Watchdog	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.
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
Power Supply	
Input Power	V1 (Main): DC 37~57V, 1.8A Max V2 (Backup): DC 37~57V, 1.8A Max V3 (DC Jack): DC 37~57V, 1.8A Max

WI-PS306GF-I

Interfaces	
Ethernet Port	4*10/100/1000 Base-T PoE RJ-45 port Ports 1-2 : 24V Passive / 48V 802.3 af/at PoE Ports 3-4: 802.3 af/at/bt 60W
Fiber Port	2*1000 Base-X SFP
DIP Switch Mode	
1. FWD	Monitor the fiber connection status, and if no data is transmitted, the port will restart automatically.
2. PWD	All PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.
3. Extend	The transmission distance of PoE port can be up to 250m, but the rate is limited to 10Mbps.
4. VLAN	All downlink ports are isolated from each other, but can communicate with uplink ports.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
P1/P2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
5/6 (SFP Indicator)	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Max	On: PoE power full load
Power Supply	
Input Power	V1 (Main): DC 37~57V, 5.2A Max V2 (Backup): DC 37~57V, 5.2A Max

WI-PS310GF-I

Interfaces	
PoE Port	8*10/100/1000 Base-T PoE RJ-45 port Ports 1-2: 24V Passive / 48V 802.3 af/at PoE Ports 3-4: 802.3 af/at/bt 60W Ports 5-8: 802.3 af/at PoE
Uplink Port	2*1000 Combo Base-X SFP
DIP Switch Mode	
1. 24/48	PoE output voltage adjustment DIP switch for port 1.
2. 24/48	PoE output voltage adjustment DIP switch for port 2.
3. Watchdog	All PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.
4. Extend	The transmission distance of PoE port can be up to 250m, but the rate is limited to 10Mbps.
4. VLAN	The transmission distance of PoE port can be up to 250m, but the rate is limited to 10Mbps.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
P1/P2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
9/10 (SFP Indicator)	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Max	On: PoE power full load
Power Supply	
Input Power	V1 (Main): DC 37~57V, 8.5A Max V2 (Backup): DC 37~57V, 8.5A Max

WI-PMS305GF-I

Interfaces	
PoE Port	4*10/100/1000 Base-T PoE RJ-45 Ports 1-2: 24V Passive or 48V 802.3 af/at PoE 30W Ports 3-4: 802.3 af/at/bt PoE 60W Port 5: 802.3af/at/bt 60W PoE Input
Uplink Port	1*1000 Base-X SFP 1*10/100/1000 Base-T PoE
Console	1*RJ-45 to RS-232 console port (115200,8,N,1)
AL+, AL-	Alarm output
IN	Alarm input
TMS	Temperature sensor interface
Buttons	
Ring Set	By pressing the button over 5s, the switch will enable the fast ring mode.
RET (Reset)	By pressing the button over 5s, the switch will be restored to the original factory default setting.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
V1/V2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
6(SFP Indicator)	Off: ports link down On: ports link up Blinking: data on TX/RX
Ring	Off: The fast ring mode is disable. On: The fast ring mode is enable.
PD	Off：The switch is powered by DC input. On: The switch is powered by PoE input.
Power Supply	
Input Power	V1 (Main): DC 37~57V, 5.2A Max V2 (Backup): DC 37~57V, 5.2A Max

WI-PMS306GF-I

Interfaces	
PoE Port	4*10/100/1000 Base-T PoE RJ-45 Ports 1-2 : 24V Passive or 48V 802.3 af/at PoE Ports 3-4: 802.3 af/at/bt 60W
Uplink Port	2*1000 Base-X SFP
Console	1*RJ-45 to RS-232 console port (115200,8,N,1)
AL+, AL-	Alarm output
IN	Alarm input
TMS	Temperature sensor interface
Buttons	
Ring Set	By pressing the button over 5s, the switch will enable the fast ring mode.
RET (Reset)	By pressing the button over 5s, the switch will be restored to the original factory default setting.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
V1/V2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
5, 6(SFP Indicator)	Off: ports link down On: ports link up Blinking: data on TX/RX
Ring	Off: The fast ring mode is disable. On: The fast ring mode is enable.
Power Supply	
Input Power	V1 (Main): DC 37~57V, 5.2A Max V2 (Backup): DC 37~57V, 5.2A Max

WI-PMS312GF-I

Interfaces	
PoE Port	8*10/100/1000 Base-T PoE RJ-45 Ports 1-2 : 24V Passive or 48V 802.3 af/at PoE Ports 3-4: 802.3 af/at/bt 60W Ports 5-8: 802.3 af/at PoE
Uplink Port	4*1000 Base-X SFP
Console	1*RJ-45 to RS-232 console port (115200,8,N,1)
AL+, AL-	Alarm output
IN	Alarm input
TMS	Temperature sensor interface
Buttons	
Ring Set	By pressing the button over 5s, the switch will enable the fast ring mode.
RET (Reset)	By pressing the button over 5s, the switch will be restored to the original factory default setting.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
V1/V2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
9, 10, 11, 12 (SFP Indicator)	Off: ports link down On: ports link up Blinking: data on TX/RX
Ring	Off: The fast ring mode is disable. On: The fast ring mode is enable.
Power Supply	
Input Power	V1 (Main): DC 37~57V, 8.5A Max V2 (Backup): DC 37~57V, 8.5A Max

WI-PS305G-I-DC

Interfaces	
PoE Port	4*10/100/1000 Base-T PoE RJ-45 port Ports 1-4: 802.3 af/at PoE
Uplink Port	1*10/100/1000 Base-T RJ-45 port
DIP Switch Mode	
1. PoE Watchdog	PoE watchdog, all PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.
2. Port VLAN	All downlink ports are isolated from each other, but can communicate with uplink ports.
3. EX_1-2	The transmission distance of port 1-2 can be up to 250m, but the rate is limited to 10Mbps.
4. EX_1-4	The transmission distance of port 1-4 can be up to 250m, but the rate is limited to 10Mbps.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
P1/P2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
Power Supply	
Input Power	V1 (Main): DC 37~57V, 3.5A Max V2 (Backup): DC 37~57V, 3.5A Max V3 (DC Jack): DC 37~57V,3.5A Max Boost Power: DC 9~52V,10A

WI-PMS310GF- Alien-I

Interfaces	
PoE Port	8*10/100/1000 Base-T PoE RJ-45 Ports 1-2 : 802.3 af/at/bt 60W Ports 3-8 : 24V Passive/48V 802.3af/at PoE
Uplink Port	2*1000 Base-X SFP
Console	1*RJ-45 to RS-232 console port (115200,8,N,1)
AL+, AL-	Alarm output
IN	Alarm input
TMS	Temperature sensor interface
Buttons	
Ring Set	By pressing the button over 5s, the switch will enable the fast ring mode.
RET (Reset)	By pressing the button over 5s, the switch will be restored to the original factory default setting.
LED Indicators	
PWR (Power indicator)	Off: the device is power off or failed On: the device power on is normal
V1/V2 (Input power indicator)	Off: No power supply On: Power is supplying via V1/V2 DC connector
Link Indicator	Off: ports link down On: ports link up Blinking: data on TX/RX
PoE Indicator	Off: PoE not working On: PoE working
9, 10(SFP Indicator)	Off: ports link down On: ports link up Blinking: data on TX/RX
Ring	Off: The fast ring mode is disable. On: The fast ring mode is enable.
Power Supply	
Input Power	V1 (Main): DC 37~57V , 10A Max V2 (Backup): DC 37~57V, 10A Max Boost Power: DC 9~52V、10A Max

WI-PS206-I

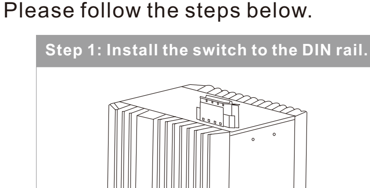
Interfaces	
Ethernet Port	4*10/100 Base-TX PoE RJ-45 ports Ports 1 : 802.3 af/at/bt 90W Ports 2-4: 802.3 af/at PoE
Fiber Port	2*10/100 Base-TX RJ-45 ports
DIP Switch Mode	
1. PoE Watchdog	PoE watchdog, all PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.
2. EX_1-2	The transmission distance of port 1-2 can be up to 250m, but the rate is limited to 10Mbps.
3. VLAN	All downlink ports are isolated from each other, but can communicate with uplink ports.
4. EX_1-4	The transmission distance of port 1-4 can be up to 250m, but the rate is limited to 10Mbps.
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
PoE Indicator	Off: PoE not working On: PoE working
VLAN	Off: VLAN mode is disable. On: VLAN mode is enable.
Extend	Off: Extend mode is disable. On: Extend mode is enable.
Power Supply	
Input Power	V1 (Main): DC 37~57V, 5.2A Max V2 (Backup): DC 37~57V, 5.2A Max V3 (DC Jack): DC 37~57V, 5.2A Max

WI-PS208-I

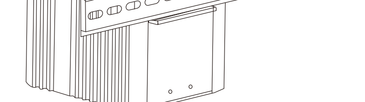
Interfaces	
PoE Port	8*10/100 Base-TX PoE RJ-45 ports Ports 1-2 : 802.3 af/at/bt 90W Ports 3-8: 802.3 af/at PoE
DIP Switch Mode	
1.PoE Watchdog	PoE watchdog, all PoE ports enable PoE watchdog function, which can detect and reboot the offline compliant PoE powered devices.
2. EX_1-4	The transmission distance of port 1-4 can be up to 250m, but the rate is limited to 10Mbps.
3. EX_1-6	The transmission distance of port 1-6 can be up to 250m, but the rate is limited to 10Mbps.
4. VLAN	All downlink ports are isolated from each other, but can communicate with uplink ports.
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
PoE Indicator	Off: PoE not working On: PoE working
VLAN	Off: VLAN mode is disable. On: VLAN mode is enable.
Extend	Off: Extend mode is disable. On: Extend mode is enable.
Power Supply	
Input Power	V1 (Main): DC 37~57V, 10A Max V2 (Backup): DC 37~57V, 10A Max V3 (DC Jack): DC 37~57V, 10A Max

3. DIN-rail Installation

Please follow the steps below.

Step 1: Install the switch to the DIN rail.	Accessories
	Null

4. DC Power Cable Connection



- Before installation, ensure that the device is disconnected from the power supply.
- Connect one end of the protective grounding cable to the grounding screw on the side panel of the device, and the other end is well grounded nearby.
- Connect the positive and negative wires of DC power separately to the “+” and “-” power terminal of 37~57V power 1 or 37~57V power 2 on the switch as following figure, using screw driver to screw stably.
- The redundant power can be both connected with the DC power, so that one power supply can still work in case the other one fails.
- Turn on the DC power, and check if power supply indicator of power 1 or power 2 turns on, which means the main power (Power 1) or backup power (Power 2) is connected correctly.
- If the switch work with 12~37V DC input power, it will work as a non-PoE switch.

Note:
For WI-PS305G-I-DC, WI-PMS310GF-Alien-I, the boost power interface can work with 9~52V 10A max DC power

5. Login WEB UI

For more L2 management functions, please login the Web-Based UI as the following steps:

Step 1. Find the IP address of the switch.

- The default login IP address of this series switch is 192.168.0.1, with a subnet mask of 255.255.255.0.
- If the switch receive an IP address from a DHCP server in your network. You can find this IP address on the DHCP server.

Step 2. Configure IP address on your PC to make sure the switch and PC are in the same subnet.

- If the switch uses the static IP address of 192.168.0.1, configure your PC’ s IP address as 192.168.0.x (“ x ” ranges from 2 to 254), and subnet mask as 255.255.255.0.
- If the switch uses an IP address assigned by a DHCP server, set your PC to obtain an IP address automatically from the DHCP server.

Step 3. Launch a web browser on your PC. Enter the IP address of the switch in the address bar and fill in the username and password.

The default login username and password are both “admin”.

Warranty Card

Username	
Address	
Telephone No.	
Purchase Shop	
Purchase Address	
Product Model No.	
Purchase Time	
Serial No.	
Dealer Signature	

- **If the product defects within three months after purchase, we will provide you a new product of the same model.**
- **If the product defects within the three-year warranty period, we will provide the professional maintenance service.**
- **Proof of purchase and a complete product serial number are required to receive any services guaranteed as part of the limited warranty.**
- **Any other defects that are not caused by workmanship or product quality, such as natural disaster, water damage, extreme thermal or environmental conditions. sticker damaged, warranty card losing will disqualify the product from limited warranty.**

Technical Support
Cloud Management
Company Website

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