

Industrial Gigabit Flat PoE Switch

WI-PS306GF-F | WI-PS310GF-F



Overview

The Wi-Tek Industrial Gigabit Flat PoE Switch offers 4/8 Gigabit Ethernet RJ45 ports and 2 Gigabit SFP uplink slots. All RJ45 ports comply with 802.3af/at PoE (PoE+) standard and output up to 30W PoE power per port. The flat, compact metal enclosure and interface front-access design make it easy to install cabinets with limited space, saving installation space for cabinets. In addition supports the wall-mount/DIN-Rail installation, which increases the flexibility of the equipment installation.

Wi-Tek's Industrial Gigabit Flat PoE Switch provides a flexible, easy-to-use, and reliable industry solution for IP Surveillance, IoT, and automation networks, which supports redundant power input, and operates steadily within a wide temperature range of -40°C – 75°C for harsh environments.

Features

Full Gigabit Interfaces Design

WI-PS306GF-F: 4x10/100/1000 Base-T PoE+ Ports and 2x1000 Base-X SFP Slots

WI-PS310GF-F: 8x10/100/1000 Base-T PoE+ Ports and 2x1000 Base-X SFP Slots

$-40\sim 75^{\circ}\text{C}$ Operating Temperature

$-40\sim 75^{\circ}\text{C}$ working temperature design, makes it meet the requirement of harsh application environment.

Unique Industrial Design

Flat shell design provides front access to ports and power interfaces for easier operation, is suitable for space-limited installation, and ensures it operates steadily in industrial applications.

Redundant DC Power Input Design

Support redundant 48–56V DC power input and alarm relay output triggered by power failure of Power1 or Power2 disconnected, and provide reliable alternative power access solutions.



Model	WI-PS306GF-F	WI-PS310GF-F
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Hardware Specifications

Interfaces

Downlink Ports	4*10/100/1000Mbps RJ45 Ports	8*10/100/1000Mbps RJ45 Ports
Uplink Ports	2*1000Mbps SFP Slots	2*1000Mbps SFP Slots

PoE

PoE Port	Port 1–4	Port 1–8
PoE Standard	Port 1–4: IEEE802.3 af/at	Port 1–8: IEEE802.3 af/at
PoE Pin Assignment	1/2(–), 3/6(+)	1/2(+), 3/6(–)
PoE Power	30W Max. for each port, 120W Max. for PoE power budget.	30W Max. for each port, 240W Max. for PoE power budget.

Switch Property

Standards and Protocols	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 IEEE 802.3x Flow Control and Back Pressure IEEE 802.3af for PoE IEEE 802.3at for PoE+	
Forwarding Mode	Store and Forward	
Store and Forward	12Gbps	20Gbps
Packet Forwarding Rate	8.93Mpps	14.88Mpps
MAC Address Table	1k	11k
Packet Buffer Memory	128KB	0.25MB
Jumbo Frame	10kB	



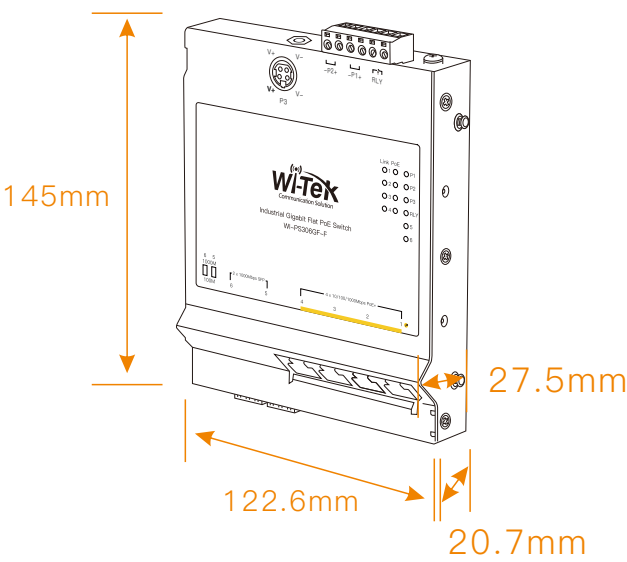
Model	WI-PS306GF-F	WI-PS310GF-F
Power Supply		
Input Power	P1/P2: DC 48–56V IN P3 Power DIN(for external power adapter): DC 48–56V IN	P1/P2: DC 48–56V IN P3 Power DIN(for external power adapter): DC 48–56V IN
Alarm Relay Contact	Relay outputs with a current carrying capacity of 1A @24V DC. Relay in open circuit mode when power1 and power2 are connected. In short circuit mode when only one power supply is connected.	
Power Consumption	Idle: 4.8 W 100% Traffic Rate with PoE: 124.8 W	Idle: 4.8 W 100% Traffic Rate with PoE: 244.8 W
Physical Characteristics		
LED Indicators	RLY (Orange): On: The P1 or P2 is disconnected Off: Both P1 and P2 are connected PoE (Orange): On: PoE enabled Off: PoE disabled Link (Green): On: Port connected Off: Port disconnected Blinking: Data transmission SFP Indicator(5,6 / 9,10) Solid on: Port connected Blinking: Data transmission Off: Port disconnected P1 (Green) On: Power 1 is detected P2 (Green) On: Power 2 is detected P3 (Green) On: Power 3 is detected for Power DIN	



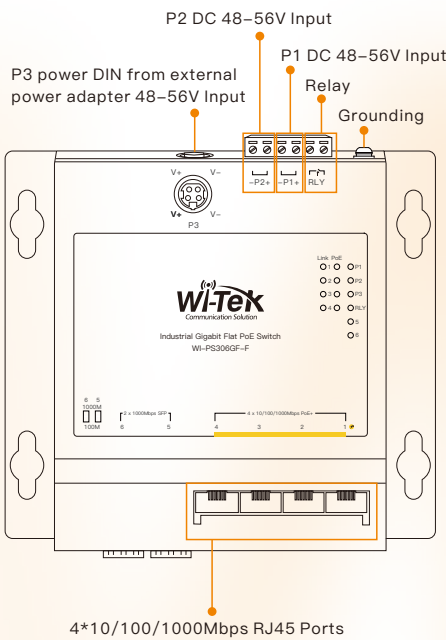
Model		WI-PS306GF-F	WI-PS310GF-F
Button		DIP Switch* DIP 1: On: Set the transmission rate of port 6 to 100Mbps Off: The transmission rate of port 6 is 1000Mbps (Default) DIP 2: On: Set the transmission rate of port 5 to 100Mbps Off: The transmission rate of port 5 is 1000Mbps (Default) Note: Dip switch to adjust the rate of the optical port, you need to restart the device for the DIP switch function to take effect.	DIP Switch* DIP 1: On: Reserved Off: The transmission rate of port 10 is 1000Mbps (Default) DIP 2: On: Reserved Off: The transmission rate of port 9 is 1000Mbps (Default) Note: Dip switch to adjust the rate of the optical port, you need to restart the device for the DIP switch function to take effect.
Fan Quantity		Fanless	
Switch Dimension (W*D*H)		122.6*145*27.5mm	185*145*27.5mm
Package Dimension		211*162*64mm	211*162*64mm
Weight		Net Weight: 0.58kg	Net Weight: 0.64kg
		Package Weight: 0.95kg	Package Weight: 1.11kg
Installation		DIN-rail, Wall-mount	
Environmental			
Reliability	Surge Immunity	IEC 61000-4-5 Common mode 2kV Differential mode 1kV	
	ESD Protection	IEC 61000-4-2 Contact discharge 6kV Air discharge 8kV	
Operating Temperature		-40℃ to 75℃(-40°F to 167°F)	
Operating Humidity		5%~95% RH no condensation	
Storage Temperature		-40℃ to 85℃(-40°F to 185°F)	
Storage Humidity		10%~90% RH no condensation	
Certification			
Certification		CE, FCC, RoHS, UKCA, MET	

WI-PS306GF-F

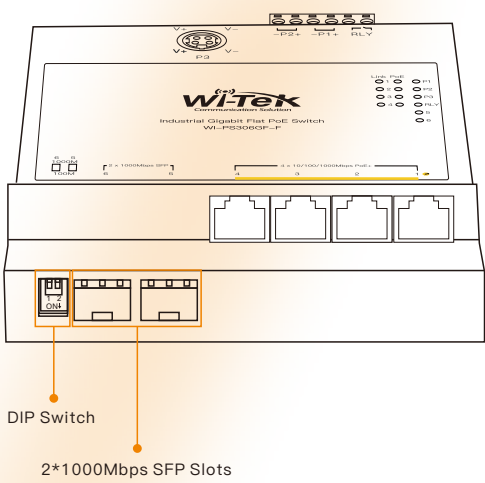
Dimensions (mm)



Front Panel

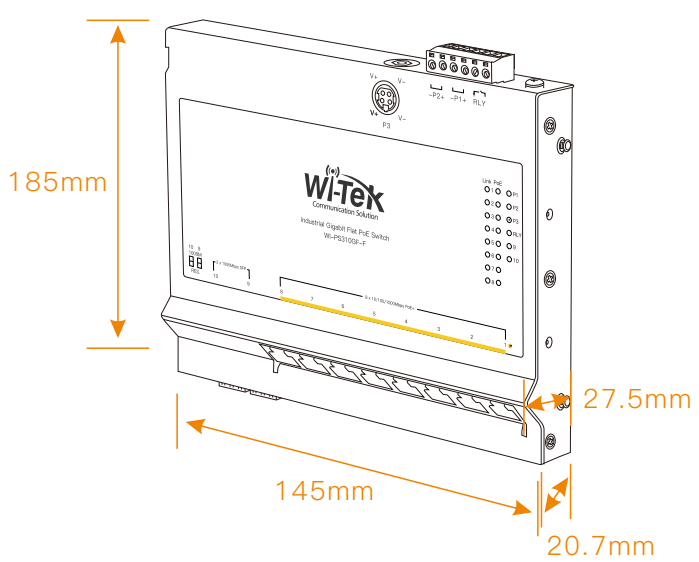


Bottom Panel

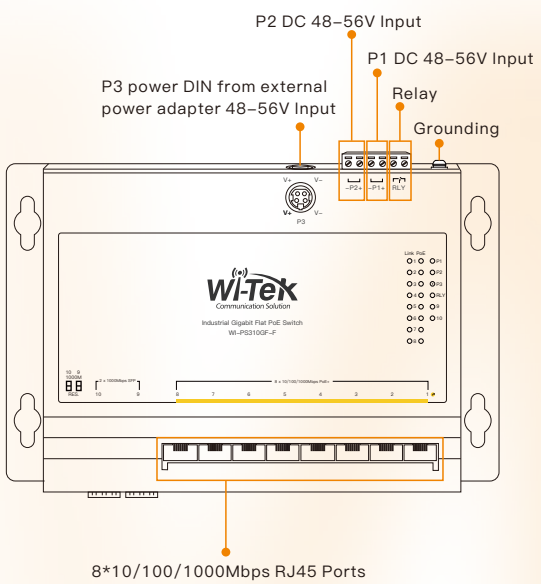


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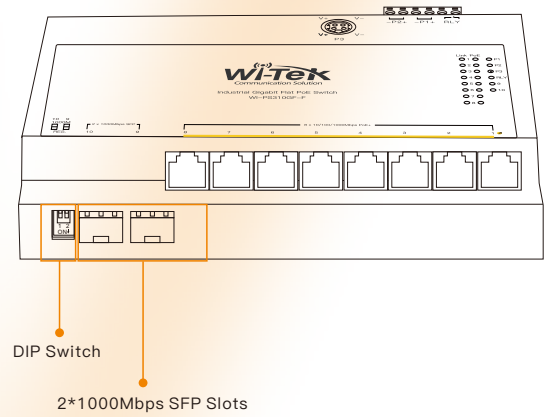
Dimensions (mm)



Front Panel



Bottom Panel



Package Contents

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

Items	Quantity
Switch	1 pcs
Wall Mount Bracket	2 pcs
Din Rail Bracket	1 pcs
Philips Head Screw	4 pcs
Round Head Screw	4 pcs
6-pin Terminal Block	1 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website