

Cloud Hardened Flat Easy Smart Switch



WI-PCES318GF-F

Overview

The Wi-Tek Cloud Hardened Flat-type Easy Smart Switch offers 16 1000Mbps PoE ports with 4 ports up to 90W of PoE power, providing flexible and high-performance full-gigabit access and uplink ports. Professional design provides a flexible, easy-to-use, and reliable industrial network solution. The switch provides simple, safe, and easy-to-use local WEB and remote management methods, supports smart deployment, abnormal alarm, ONVIF automatic identification of network cameras, etc. Wi-Tek Cloud hardened Flat-type Easy Smart Switch is the best choice for industrial network solutions and projects of harsh application scenarios such as factory and park.

Features

Support Wi-Tek Cloud Management

ONVIF cameras and Wi-Tek cloud management devices can be remotely managed through the Wi-Tek cloud platform/mobile APP, making CCTV network projects truly intelligent and easy to maintain. You can easily access and manage your cameras from your phone or computer anytime, anywhere.

-30~65°C Operating Temperature

-30~65°C working temperature design, makes it meet the requirement of harsh application environment.

Fusion of Temperature Sensor and Cloud

The temperature sensor can sense the temperature of the project site in real time and upload it to the cloud platform, which you can monitor remotely in real time. The remote alarm function can effectively prevent risks, such as device faults caused by overtemperature.

Intelligent Operation and Maintenance

When temperature and humidity levels reach preset thresholds, the system will automatically activate the sensor and trigger the relay alarm. Abnormal alarm can help you locate problems quickly, making your operation and maintenance easier.

Note: The EWEB channel can be created only when the easy smart switch is linked with the other type of Wi-Tek cloud management device, such as cloud L2, L3 management switch, gateway, wireless AP, etc.

Specifications



Model	WI-PCES318GF-F	
Hardware Specifications		
Interfaces		
Downlink Ports	16 * 10/100/1000Mbps RJ45 Ports	
Uplink Ports	2 * 1000Mbps SFP Slots	
PoE		
PoE Port	Port 1-16	
PoE Standard	Port 1-4: IEEE802.3 af/at/bt Port 5-16: IEEE802.3 af/at	
PoE Pin Assignment	1/2(+), 3/6(-), 4/5(+), 7/8(-)	
PoE Power	90W Max. for port 1-4 30W Max. for port 5-16 235W Max. for PoE power budget	
Performance		
Flash Memory	4 MB	
Switch Property		
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1x,	IEEE 802.1q, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Forwarding Mode	Store and Forward	
Switching Capacity	36Gbps	
Packet Forwarding Rate	26.78Mpps	
MAC Address Table	8K	
Packet Buffer Memory	4.1Mbit	
Jumbo Frame	10kB	

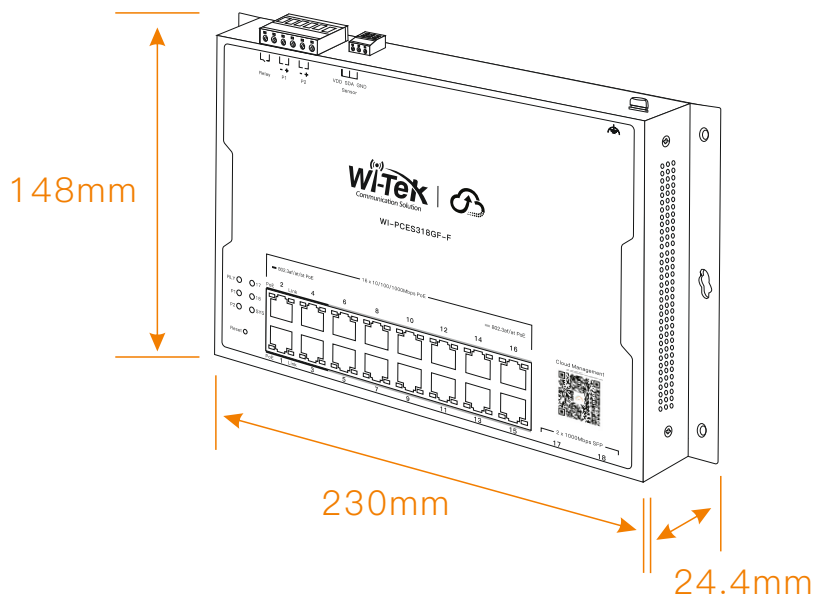
Model	WI-PCES318GF-F
Power Supply	
Input Power	DC 48-57V/8A Max
Power Consumption	Idle: < 5W 100% Traffic Rate with PoE: 240W
Physical Characteristics	
LED Indicators	<p>SYS(Green): Blinking: The system is working normally Off: The system is being started or abnormal</p> <p>PoE(Orange): On: There is a PoE connected to be port, which supply power successfully Off: No PoE powered device (PD) is connected</p> <p>Link (Green) On: Port connected Off: Port disconnected Blinking: Data transmission</p> <p>SFP Indicator(17,18): Solid on: Port connected Blinking: Data transmission Off: Port disconnected</p> <p>P1/P2(Green): On: the device power on is normal Off: the device is power off or failed</p> <p>RLY(Red) On: There is Alarm output Off: No Alarm output</p>
Switch Dimension (W*D*H)	230*148*24.4 mm
Package Dimension	263*238*48 mm
Weight	Net Weight: 1.0kg
	Package Weight: 1.2kg
Installation	DIN-rail, wall-mount and magnetic-mount
Fan Quantity	Fanless
Button	
Reset	Hold for >5 sec. to restore factory default

Model		WI-PCES318GF-F
Environmental		
Reliability	Surge Immunity	IEC 61000-4-5 Common mode 6kV Differential mode 2kV
	ESD Protection	IEC 61000-4-2 Contact discharge 6kV Air discharge 8kV
Operating Temperature		-30°C to 65°C(-22°F to 149°F)
Operating Humidity		10%~90% RH no condensation
Storage Temperature		-40°C to 80°C(-40°F to 176°F)
Storage Humidity		10%~90% RH no condensation
Certification		
Certification		CE, FCC, RoHS, UKCA, RCM

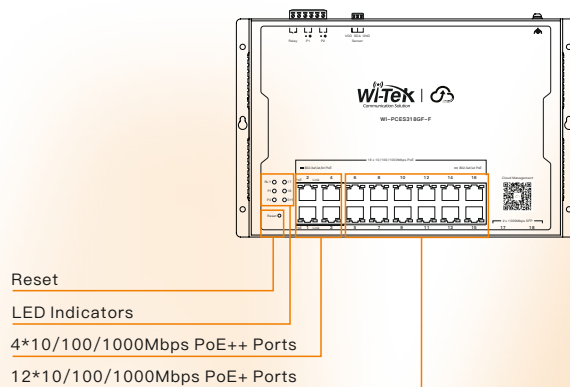
Model	WI-PCES318GF-F
Software Features	
System Settings	Device Info
	IP Settings
	User Management
	Firmware Upgrade
	Configuration Backup
	Reset
	Save Configuration
	Reboot
	Temperature Sensor Data
Switch Settings	Port Settings
	Port Statistics
	Storm Control
	Port Mirroring
	Port Isolation
	Port Bandwidth Control
	Link Aggregation
	Loop Guard
	MAC Search
	Static/Filter MAC
	MAC Table
VLAN Settings	VLAN Member
	VLAN Settings
LLDP Management	LLDP config
	LLDP Neighbors
PoE Management	PoE Settings
ONVIF	Onvif Detect
Cloud Settings	MQTT Client
	Wi-Tek Devices Discovery Table

WI-PCES318GF-F

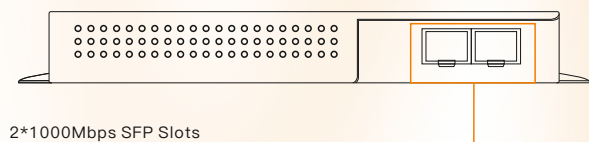
Dimensions (mm)



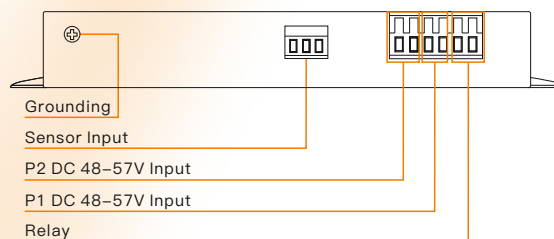
Front Panel



Bottom Panel



Top Panel



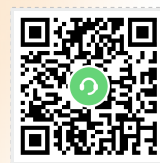
Package Contents

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

Items	Quantity
Switch	1 pcs
Magnetic accessory	4 pcs
DIN-Rail mounting accessories (screw x2; rail bracket x 1)	1 pcs
Temperature and humidity sensor	1 pcs
Quick installation guide	1 pcs



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Technical Support



Cloud Management



Company Website