

Cloud IoT Controller



WI-IOT100

Overview

The cloud IoT controller is designed for solar power PoE solution, provides Ethernet and RS-485 interface, the photovoltaic power and battery status and data of Wi-Tek solar power PoE switch can be visually managed in the Wi-Tek cloud with it. It supports IEEE 802.3af PoE in and 12~54V wide DC power supply, can be powered by PoE in solar power PoE solution to build a zero-carbon communication system, develop clean and digitalized energy for a brighter, greener future.

Features

Multiple Power Supply Modes

Support IEEE 802.3af PoE in and 12~54V DC power supply, which can be flexibly selected according to the application scenarios.

Extremely Low Power Consumption

The maximum power consumption of controller is only 1.8W(without VCC out), effective power saving.

Easy and Intelligent Photovoltaic Power and Battery Status Monitoring

The dashboard in Wi-Tek cloud makes it easy to monitor real-time solar power and battery status, receive battery capacity and charge status alarm, track power generation, power consumption, and battery data.

Wi-Tek Cloud Management

The photovoltaic power and battery status and data of Wi-Tek solar power PoE switch can be quick configuration, visual management, and remote access in the Wi-Tek through WI-IOT100, which is easy operation and maintenance.

Specifications



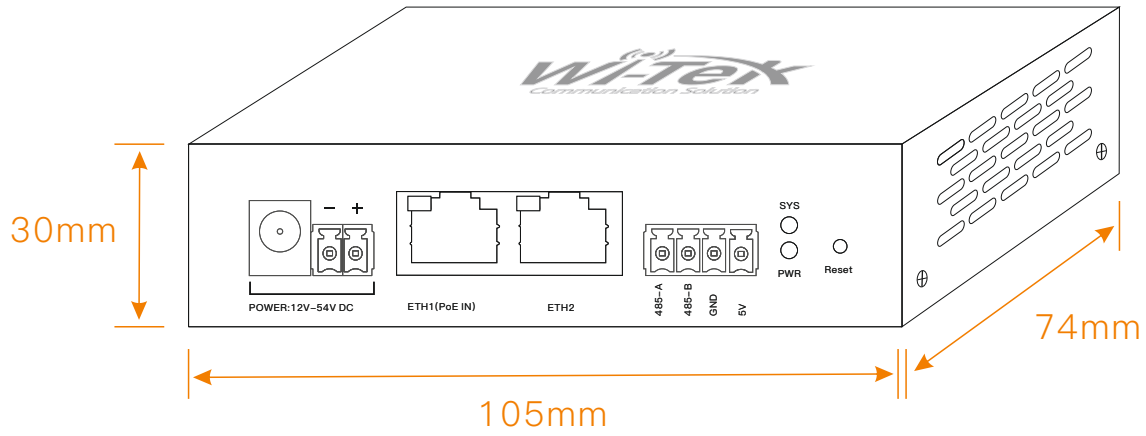
Products	WI-IOT100
Hardware Version	V1
Hardware Features	
Interface	1*10/100Mbps PoE IN RJ45 port 1*10/100Mbps RJ45 port
Serial Port	1*RS-485 port Signal: 485-A, 485-B, GND, VCC(5V) Baud Rate: 300-230400 bps Data bits: 8bits, 7bits Stop bit: 1 bit, 2bits Check bit: None, Even, Odd Support software flow control
Flash	8MB
DDR2	64MB
LED Indicator	1*PWR, Power indicator, 1*SYS, System indicator
Reset Button	Short press 1~3 seconds: Reboot the device. Long press over 5 seconds: Restore the factory default configuration.
Power Supply	IEEE 802.3af PoE IN 12~54V DC (The two DC power supplies cannot be connected at the same time)
Power Consumption	<1.8W(without RS-485 VCC output)
Dimensions	105*74*30mm
Weight	0.21kg
Package Dimensions	182*133*36mm
Package Weight	0.3kg
Installation	DIN-rail/Desktop mounted
Fan Quantity	Fan-less
Material	Metal shell
Color	Silver

Products	WI-IOT100
Reliability	
ESD Protection	Contact Discharge: $\pm 6\text{kV}$, Air Discharge: $\pm 8\text{kV}$
Surge Immunity	Common mode: 2kV, Differential mode: 1kV
Operating Environment	-20°C to 65°C , 5%~95% (non-condensation)
Storage Environment	-40°C to 70°C , 5%~95% (non-condensation)
Software Features	
Network	Static IP, Dynamic IP
Serial Mode	DTU, Modbus Master, Modbus Slave, Solar
Advanced	Ping Watchdog, Scheduled Reboot, NTP Server, Diagnosis: PING, TRACERT
Management	Local WEB Management, Cloud Management: The photovoltaic power and battery status and data of Wi-Tek solar power PoE switch can be quick configuration, visual management, and remote access in the Wi-Tek through WI-IOT100(Solar serial mode).

Appearances and Dimensions

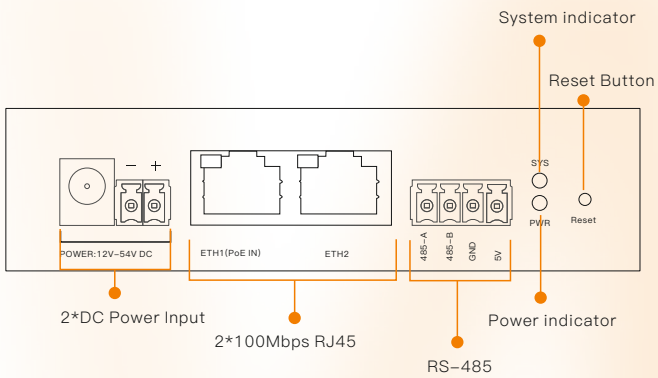
WI-IOT100

Dimensions



Front Panel

Side Pane



Package Contents

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

Items	Quantity
Cloud IoT Controller	1 pcs
DIN-rail accessories	1 pcs
Quick Installation Guide	1 pcs
RS-485 Cable	1 pcs
Ethernet Cable	1 pcs



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Technical Support



Cloud Management



Company Website