# WI-PS118GR
# 16FE+2Gigabit 24V Ports
# Reverse PoE Switch with
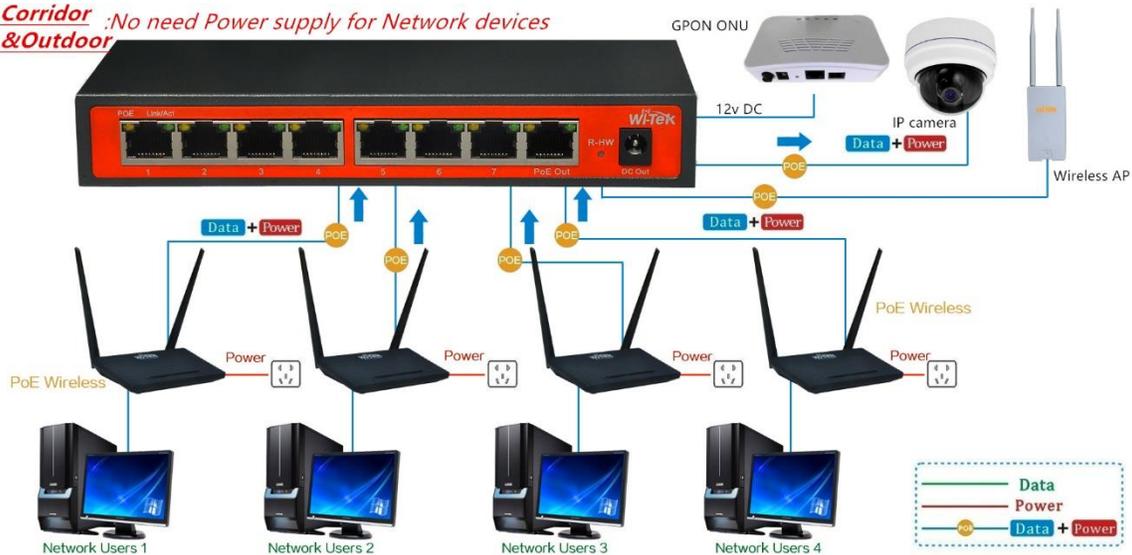# 16-Port PoE Datasheet

# Highlights

- Port1-15 for PoE In, Port16 for PoE Out,2 GE UPLINK Port

- PoE Output 24V 1A

- Support 24V Passive PoE compliant PSD and PD

- used for FTTx for power up ONU in building

- Uplink Port for Gigabit application

- Support Port VLAN

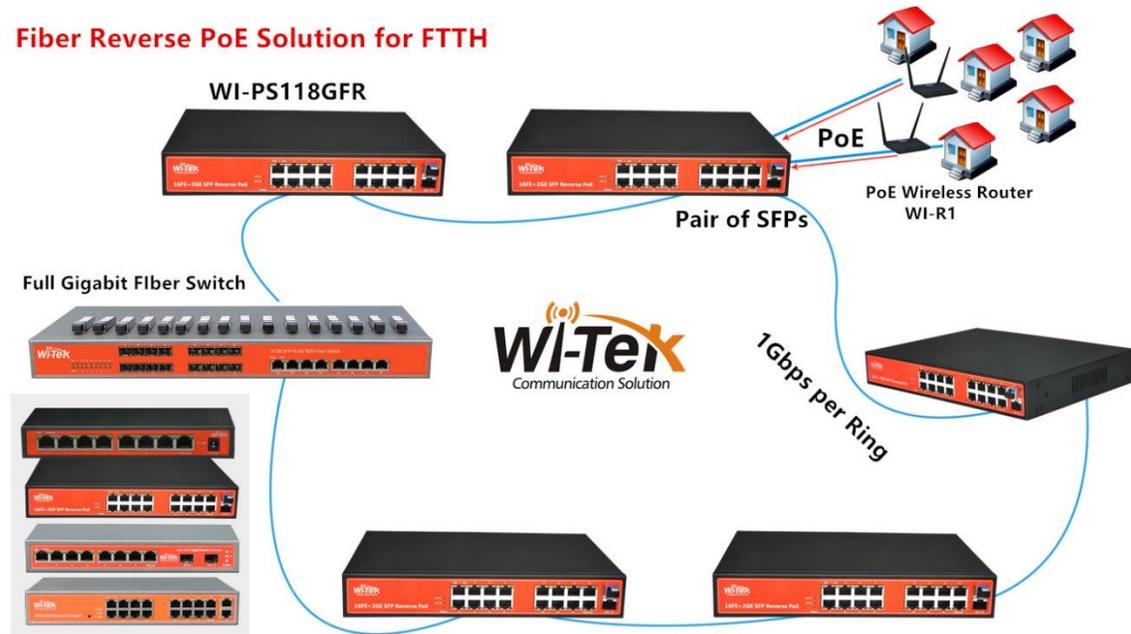- 4K entry MAC address table  with auto-learning and auto-aging

# Typical Applications

Fiber Reverse PoE Solution for FTTH

## Description

### What This Product Does

WI-TEK Reverse PoE Technology has intelligent Power management feature solving a major problem of powering the device for ISPs. This switch can be powered using Remote Power from customer end using specially designed reliable PoE Wireless Router from us or any standard PoE Injector (24V DC, 1A). This eliminates the need to arrange for power at building top and no UPS is needed / no money to be paid to society/power providing customer. This saves lot of MONEY for ISPs and improves service delivery with uninterrupted service to the customer.

### How This Product Works

It integrates 2*1000Mbps Gigabit UPLINK Ports and 10/100Mbps Fast Ethernet network capabilities. Port1-15 for PoE In, Port16 for PoE Out，Support 24V Passive PoE

compliant PSD and PD, 2 Gigabit RJ45 Ports can do Uplink Port. 16 Auto-Negotiation RJ45 ports (port-1 to port-15) of the switch support Power over Ethernet (PoE) IN function. These PoE ports  (port-1 to port-15) can automatically detect and accept power with those 24v Passive PoE compliant PSE. Then this switch can continue to power up next switch or wireless AP/CPE via PoE output port 16

## Easy To Use

WI-PS118GR is easy to install and use. It requires no configuration and installation. With outstanding performance and quality, the WI-PS118GR  is a great selection for expanding your FTTB(fiber to the building) or FTTW(fiber to the wireless) network.

## Specifications

### HARDWARE FEATURES

| | |
|---|---|
| Interface | 16 RJ45 10/100M   ports<br>2 RJ45 1000M  ports |
| Network Media | 10Base-T: Pair 2 Category 3(Cat3) and above UTP/STP(≤150m)<br>100Base -TX: Pair 2 Category 5(Cat5) and above UTP/STP(≤150m)<br>1000Base-T: Pair 4 Category 5(Cat5e) and above UTP/STP(≤150m) |
| Fan Quantity | Fanless |
| PoE Output | 24V 1A |

# HARDWARE FEATURES

| POE Ports(RJ45) | POE in Ports:Port1~15, POE out Port: Port 16 |
| --- | --- |
| POE pin | 4/5+, 7/8- |
| Exchange Capacity | 5.2G |
| Mac Address Table | 4K |
| Dimensions | Product Size： 285mm*220mm*45mm （L*W*H） |

# SOFTWARE FEATURES

| Transmission Method | Store-And-Forward |
| --- | --- |
| Advanced Functions | Priority Function Mac Address Auto-Learning And Auto-Aging Store and forward IEEE 802.3x  flow control for Full-duplex Mode Backpressure for Half-duplex Mode Support VLAN |

# OTHERS

| | |
|---|---|
| Certification | CE, FCC, RoHS |
| Package Contents | POE Switch<br>Electric Line<br>Guide Book/Warranty Card<br>2L Shape Mount+4 Shim |
| Environment | Working Temperature：<br>0℃～40℃<br>Storage temperature ：<br>-40℃～70℃<br>Working Humidity ：<br>10%～90% RH<br>non-condensing<br>Storage Humidity：<br>5%～90% RH non-condensing |