

# RPOE SWITCH

## Quick Guide

### Packing List

Before you start installing the RPOE Switch and verify the following items in the package.

- R P O E S w i t c h 1 p c s
- D C c a b l e 1 p c s
- U s e r ' s M a n u a l 1 p c s
- U T P c a b l e 1 p c s

Please contact the dealer immediately if anything missing or damage.

### Features

- Reverse PoE Technology: 8 Port 10/100/1000 Reverse PoE Switch which has latest generation of fast Ethernet Reverse PoE switching technology. It contains 7\*10/100 or 7\*10/100/1000 Base T Reverse PoE Ports(RPOE), 1\*10/100 or 1\*10/100/1000 Base Data Uplink PoE Port & 5V/12V DC output for Powering Media converter/ONU.**The uplink port support PSE function with a hand switch to control the PSE ON/OFF .**
- Supports Auto-Negotiation: Each of the ports automatically detect whether connected network devices are running at 10Mbps or 100Mbps or 1000Mbps and half-duplex or

full-duplex mode, and adjusts the speed and mode accordingly ensuring easy and hassle-free operation.

- Cascading Support: Switches can be Cascaded for more users per Building (Up to 1 Main + 3 Switches).
- Port Base Isolation VLAN: The feature of Port Isolation is implemented in this unit where in the Ethernet Data of the Uplink Port can be transferred to any of the Downlink ports but the individual Downlink ports cannot communicate with each other.
- Surge Protection: We provide 2000V Surge protection on each port to protect against high voltage surge on data ports or uplink port.
- Wide range Voltage input: Each Data Port(downlink) can connection of a wide range voltage input (Higher than 24V DC, up to 60V ). And then the Voltage output from the UPLink Port is the same to it
- Over Current Protection: We have provided over current protection on DC output to prevent damage to the switch in case of high current flowing due to any reason.
- DC Voltage output:It supply 5V or 12V/max 1.5A DC voltage .The voltage output can be changed by a button .And when the button put on or put off ,the switch must be power

off.

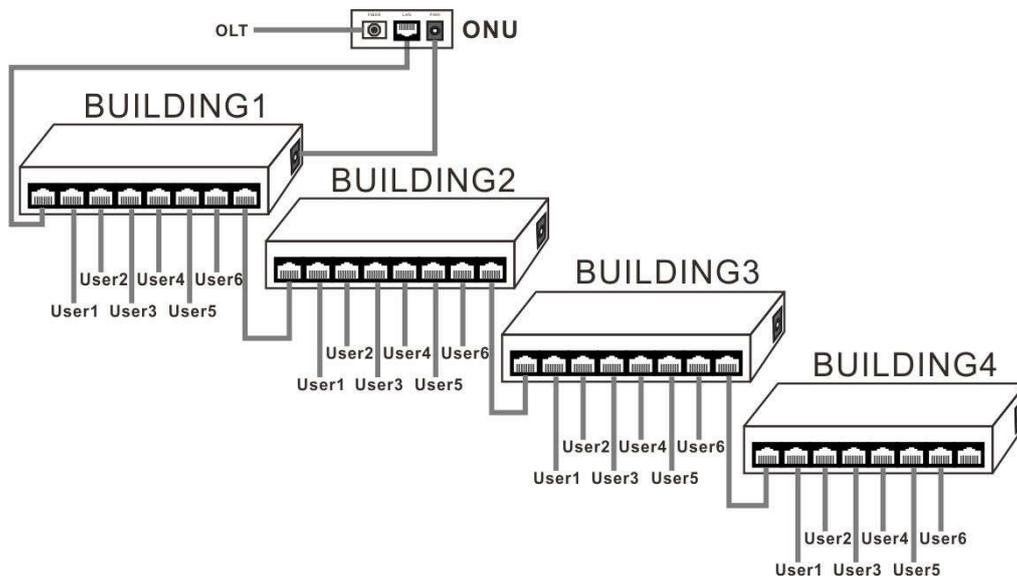
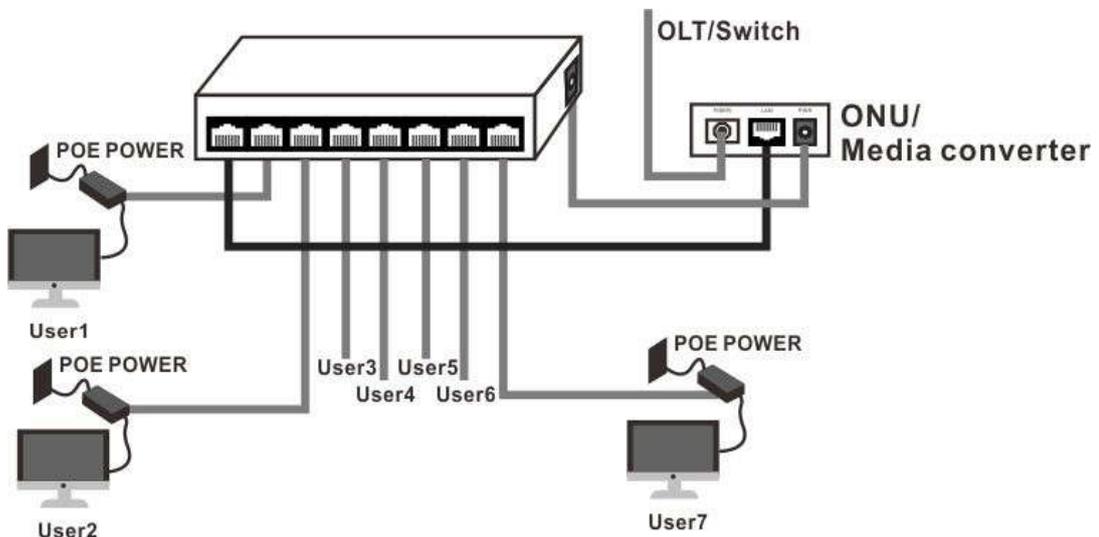
## Technical parameters

	RPOE 1FS7FS	RPOE 1GS7FS	RPOE 1GS7GS
<b>Ethernet Connector</b>	Rj45 Jacks(8ports)10/100/1000Base-TX with Auto-MDIX		
<b>Uplink</b>	1x10/100Base T Data Uplink Port(port1)(Data+power OUT)	1x10/100/1000Base T Data Uplink Port(port1)(Data+power OUT)	
<b>Downlink</b>	7x10/100Base T Data Uplink ports(port2 to 8) (Data+power IN)		7x10/100/1000Base T Data Uplink ports(port2 to 8) (Data+power IN)
<b>Standards</b>	IEEE Std.802.3 10BASE T 10Mbps, Half/full Duplex IEEE Std.802.3u 100BASE-Tx 10/100Mbps, Half/full Duplex IEEE Std.802.3x Flow control and Back pressure IEEE Std.802.3az Energy Efficient Ethernet		
<b>Protocols</b>	CSMA/CD		
<b>Transmission Method</b>	Store and Forward		
<b>MAC Address</b>	1K-entry MAC address	4K-entry MAC address	
<b>Packet Buffer</b>	Embedded 448K bits packet buffer	Embedded 1.5Mbit packet buffer	
<b>Maximum Forwarding Packet Length</b>	1552/1536 bytes	9216 bytes	
<b>Network cable</b>	4-pair UTP/STP Cat 5 cable		
<b>LEDs</b>	Link/Activity per Ethernet port Power: On/off for switch		
<b>Power over Ethernet Injector:Power supply</b>	Power over Ethernet 24V~48V@18W on spare pair(to supply power to the Net star switch as well as a compatible PoE device(e.g.CPE)		
<b>Power over Ethernet</b>	Power over Ethernet Injector on Four pair Cable		
<b>Optional DC output</b>	12V/1.5A max. 5V/1.5A max. (Select the DC output voltage need to power off the device)		
<b>Ethernet Devices that Can be powered</b>	Single		
<b>CAT-5 Cable Data Lines</b>	Pair1:Pins1/2	Pair2:Pins3/6	Pair1:Pins1/2 Pair2:Pins3/6 Pair3:Pins4/5 Pair4:Pins7/8
<b>CAT-5 Cable Power Lines</b>	+VDC:Pins4/5 , VDC:Pins7/8		
<b>Power consumption</b>	2Watt(switch)5Watt(PoE Injector)		
<b>Operating Temperature</b>	0°C to70°C		
<b>Storage environment</b>	-20°C to85°C		
<b>Operating Humidity</b>	0% to 95%(non-condensing)		
<b>Dimension of switch</b>	126.5 x 60 x 25mm		
<b>Weight of switch</b>	100g		

## Typical Application

7\*10/100/1000 Base T Reverse POE Ports(RPOE) &  
1\*10/100/1000 Base T Uplink PoE Port & 5V/12V DC Power out  
for Powering Media converter/ONU

**Remark: if ethernet connector of ONU / Media Converter is  
not the PoE port, need to switch off the power of uplink port  
by bottom switch**



## Warnings

- In thunderstorm weather, please dismantle the power supply of the device and all the connections, so as not to be damaged by lightning strike.
- Keep away from heat sources and keep ventilated.
- In storage, transportation and operation environment, please pay attention to waterproofing.
- Use rated power adapter of the device.
- Place the device on a flat surface.
- This is a class A product, which may cause radio interference in the living environment.
- In this case, users may need to take practical measures against interference.