



## Features:

- 8\*10/100/1000Base-TX PoE port (Data/Power)  
2\*1000M SFP
- CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS

ITT-SP4851 is gigabit RJ45 and SFP uplink unmanaged PoE switch independently developed by Ittelecom, which can automatically detect the compliance with IEEE802.3af/at | PoE +| HiPoE standard power receiving equipment and power supply, new integrated hipoe and poedog function, solve the power supply problem of high-power outdoor ball machine, high-power wireless AP and other high-power equipment, pogdog function will realize the automatic repair of PD end equipment when it accidentally crashes, solve the time-consuming and labor-consuming problem of human operation, and realize intelligent unattended. Long distance networking can be realized by connecting optical fiber lines through the optical port of SFP.

## Port performance

- Provide 8\*10/100/1000M PoE RJ45 adaptive ports, all of which can realize line speed forwarding.
- Provide 2 gigabit SFP uplink ports for high-speed uplink transmission.
- Each port supports MDI / mdix auto flip and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

## Special function

- Hipoe: the first port outputs 60W to solve the power supply problem of high-power PD. It can connect large ball machine, wireless AP or intelligent door lock and other high-power PoE devices.
- Poedog: when PoE is started, it detects the status of PoE electrical equipment in real time; when the equipment side is abnormal, the switch actively sets the port and restores PoE power supply to realize unattended.

## PoE power supply function

- According to IEEE 802.3af/at PoE power supply standard, the maximum PoE output power of the whole machine is 150W, single port for the maximum PoE output power is 30W(First port can be max 60W)
- Automatic identification of PoE equipment for power supply without damaging non PoE equipment.

## Three working modes

- N -- standard switching mode: all ports communicate freely, suitable for common data transmission environment.
- V - port isolation mode: the downlink ports are isolated from each other, which is suitable for the use scenarios of connecting wireless AP, suppressing network storm and improving network performance.
- C -- flow control mode: port flow balance control, prevent big data flow packet loss, ensure the efficient and stable operation of user network.

## The equipment is stable and reliable

- Ittelecom independent research and development of power supply, high redundancy design, to provide long-term stable PoE power output.
- The equipment meets the national CCC standard, fully meets the safety requirements, and is safe and reliable.

## Easy to use

- Plug and play.
- Dynamic LED indicator provides simple working status prompt and troubleshooting.

## Complete set of accessories

- By default, the switch is equipped with an AC power cord, a manual.

## Technical Parameters:

• <b>Fixed Port</b>	<ul style="list-style-type: none"> <li>➢ 8*10/100/1000Base-TX PoE port (Data/Power)</li> <li>➢ 2*1000M SFP</li> </ul>
• <b>PoE Ports</b>	<ul style="list-style-type: none"> <li>➢ 1-8 port supports PoE(optional first port outputs HiPoE_60W)</li> </ul>
• <b>Function</b>	<ul style="list-style-type: none"> <li>➢ N:(Standard normal)</li> <li>➢ V:(Port isolation) (specific port refers to user manual)</li> </ul>
• <b>Network Protocol</b>	<ul style="list-style-type: none"> <li>➢ IEEE 802.3</li> <li>➢ IEEE 802.3i 10BASE-T</li> <li>➢ IEEE 802.3u 100BASE-TX</li> <li>➢ IEEE 802.3ab1000BASE-T</li> <li>➢ IEEE 802.3x</li> <li>➢ IEEE 802.3z 1000BASE-X</li> <li>➢ IEEE 802.3af/at</li> </ul>

• <b>PoE Standard</b>	➤ IEEE802.3af/at
• <b>Port Specification</b>	➤ 10/100/1000BaseT (X) Auto
• <b>Transmission Mode</b>	➤ Store and Forward(full wirespped)
• <b>Bandwidth</b>	➤ 20Gbps
• <b>Packet Forwarding</b>	➤ 14.44Mpps
• <b>MAC Address</b>	➤ 2K
• <b>Buffer</b>	➤ 2.5M
• <b>Transmission Distance</b>	<ul style="list-style-type: none"> <li>➤ 10BASE-T : Cat3,4,5 UTP(≤250 meter)</li> <li>➤ 100BASE-TX : Cat5 or later UTP(150 meter)</li> <li>➤ 1000BASE-TX : Cat6 or later UTP(150 meter)</li> <li>➤ 1000BASE-SX:62.5μm/50μm MMF(2m~550m)</li> <li>➤ 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)</li> </ul>
• <b>Power Pin</b>	➤ Default 1/2(+), 3/6(-); Optional order4/5(+), 7/8(-)
• <b>Single port power</b>	➤ Average 15.4W; MAX 30W
• <b>Total power/Input voltage</b>	➤ MAX 150W (AC100-240V 50/60HZ)
• <b>Watt</b>	➤ Standby Power Consumption: ≤8W;
• <b>LED Indicator</b>	<ul style="list-style-type: none"> <li>➤ POWER:Power LED(over-power LED)</li> <li>➤ 9 10:(SFP LED)</li> <li>➤ Port:(Orange=PoE LED+Green=Link LED)</li> </ul>
• <b>Power Input</b>	➤ Built-in power AC: 100~240V 50-60Hz 1A
• <b>Operating Temperature/Humidity</b>	➤ -10~+55°C; 5%~90% RH Non coagulation
• <b>Storage Temperature/Humidity</b>	➤ -40~+75°C; 5%~95% RH Non coagulation
• <b>Product size/Packing size (L*W*H)</b>	<ul style="list-style-type: none"> <li>➤ 210mm*150mm*35mm</li> <li>➤ 270*mm220mm*68mm</li> </ul>
• <b>N.W/G.W (kg)</b>	➤ 1.1kg/1.4kg
• <b>Installation</b>	➤ Desktop(optional wall and machine hanger parts)
• <b>Lightning protection level</b>	<ul style="list-style-type: none"> <li>➤ IP30</li> <li>➤ 3KV 8/20us;</li> </ul>
• <b>Certificate</b>	➤ CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;