

## 10-port Full Gigabit PoE Switch

(TN310PGRJ)



### OVERVIEW

The TN310PGRJ is a gigabit unmanaged PoE switch. It has 10\*10/100/1000Base-T RJ45 ports. Port 1-8 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 110W(at-250W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP phone, building visual access control intercom, etc. through a network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotels, campuses, parks, shopping malls, scenic spots, hospitals, factory dormitory and small and medium-sized enterprise.

Unmanaged model, plug and play, no configuration, easy to use.

### FEATURE

#### Full gigabit access full-line speed forwarding

- All series support all-line high-speed forwarding, user-flexibly flexible networking, to meet the needs of various scenarios networking;
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

### **Intelligent PoE power supply function**

- 8\*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- IEEE 802.3af/at PoE standard, without damaging non-PoE devices.
- Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

### **Stable and reliable**

- CCC,CE, FCC, RoHS.
- Plug and play, no configuration, simple and convenient.
- Low power consumption, galvanized steel casing, The fan active cooling.
- Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

## TECHNICAL SPECIFICATION

Model	TN310PGRJ	TN310PGRJ
<b>Interface Characteristics</b>		
<b>Fixed Port</b>	8*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 port (Data)	
<b>Ethernet Port</b>	Port 1-10 can support 10/100/1000Base-T,auto-sensing, full/half duplex MDI/MDI-X	
<b>Twisted Pair Transmission</b>	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
<b>Chip Parameter</b>		
<b>Network Protocol</b>	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x	
<b>Forwarding Mode</b>	Store and Forward(Full Wire Speed)	
<b>Switching Capacity</b>	20Gbps	
<b>Forwarding Rate@64byte</b>	14.88Mpps	
<b>MAC</b>	8K	
<b>Buffer Memory</b>	2M	
<b>Jumbo Frame</b>	9.6K	
<b>LED Indicator</b>	Power : PWR (green), network :Link(yellow), PoE: PoE(green), speed : 1000M(green)	
<b>Reset Switch</b>	Yes, One-button factory reset	
<b>PoE &amp; Power</b>		
<b>PoE Port</b>	Port 1 to 8 IEEE802.3af/at @ POE	
<b>Power Supply Pin</b>	Default: 1/2(+),3/6(-);optional:4/5 (+), 7/8 (-)	
<b>Max Power Per Port</b>	30W; IEEE802.3af/at	
<b>Total PWR / Input Voltage</b>	110W /DC52V	250W/DC52V
<b>Power Consumption</b>	Standby<6W;Full load<110W	Standby<8W;Full load<240W
<b>Power Supply</b>	External power adapter AC 100~240V 50-60Hz 2.0A	External power adapter AC 100~240V 50-60Hz 4.1A
<b>Physical Parameter</b>		
<b>Operation TEMP / Humidity</b>	-20~+55°C;5%~90% RH Non condensing	
<b>Storage TEMP / Humidity</b>	-40~+75°C;5%~95% RH Non condensing	
<b>Dimension (L*W*H)</b>	191*105*29mm	
<b>Net /Gross Weight</b>	<0.6kg / <1.2kg	<0.6kg / <1.4kg
<b>Installation</b>	Desktop, wall mounted,19 inch 1U cabinet	
<b>Certification &amp; Warranty</b>		
<b>Lightning protection / protection level</b>	Lightning protection: 4KV 8/20us; Protection level: IP30	
<b>Certification</b>	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS	
<b>Warranty</b>	3 years, lifelong maintenance.	