



TP-SW5G-VERSA

DATA SHEET

Versatile Output PoE Switch

Features

- One (60W) High PoE, Three (30W) 802.3at PoE and one (12W) 24V Passive PoE port
- Gigabit Compatible
- Built-in Surge Protection
- Automatic MDI/MDI-X Crossover
- Automatic Speed and Duplex Sensing
- Low Self Power and High Temperature Operation
- DIN Rail Adapters included



Applications

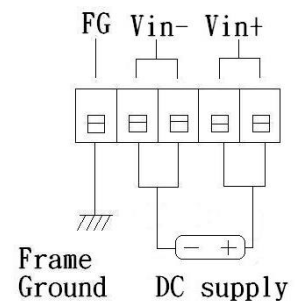
- Power different devices from a single 48V supply
- Cameras and Wireless Radios

Description

The TP-SW5G-VERSA Power over Ethernet (PoE) 5 Port Gigabit switch offered by Tycon® is a fully automatic high speed Layer 2 Ethernet switches with multiple function ports. Port 1 is a 60W 4pair High PoE port; Port 2,3,4 are 48V 30W 802.3at compatible ports; Port 5 is a 24V 12W Passive PoE port. This allows a customer to power up multiple PoE devices with different power requirements. The switch requires a 48-56VDC (4A) power input.

The units are compatible with Category 5 or higher Ethernet cables. The RJ45 connectors are shielded and grounded to the common "FG" (Frame Ground) connection. The units have 15kV surge protection on all Ethernet wires and are conformal coated for moisture protection. They have a wide operating temperature range for outdoor and industrial applications.

TP-SW5G-VERSA Power Inputs



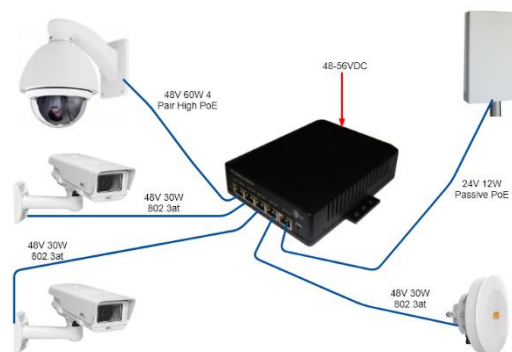
TP-SW5G-VERSA Ethernet/PoE Pinout

| Port 1 RJ-45 PoE Out (Data & Power) | | | Port 2-5 RJ-45 PoE Out (Data & Power) | | |
|-------------------------------------|-----------|-----------------------|---------------------------------------|-----------------------|--|
| Pin | Symbol | Description | Symbol | Description | |
| 1 | A+ / +Vdc | Data A+ / DC Power(+) | A+ | Data A+ | |
| 2 | A- / +Vdc | Data A- / DC Power(+) | A- | Data A- | |
| 3 | B+ / -Vdc | Data B+ / DC Power(-) | B+ | Data B+ | |
| 4 | C+ / +Vdc | Data C+ / DC power(+) | C+ / +Vdc | Data C+ / DC Power(+) | |
| 5 | C- / +Vdc | Data C- / DC power(+) | C- / +Vdc | Data C- / DC Power(+) | |
| 6 | B- / -Vdc | Data B- / DC Power(-) | B- | Data B- | |
| 7 | D+ / -Vdc | Data D+ / DC power(-) | D+ / -Vdc | Data D+ / DC Power(-) | |
| 8 | D- / -Vdc | Data D- / DC power(-) | D- / -Vdc | Data D- / DC Power(-) | |

Specifications

| TP-SW5G-VERSA | |
|--------------------------------|--|
| Ports | Port 1: 60W 4Pair High PoE ; 1,2,4,5(V+), 3,6,7,8 (V-) Port 2,3,4: 48V 30W 802.3AT Mode B Port 5: 24V 12W Passive PoE ; 4,5 (V+), 7,8 (V-) |
| Transmission Speed | 1000 Mbps (Gigabit) / 100 Mbps /10 Mbps Auto-negotiation |
| Connections | Shielded RJ45, Grounded to FG connection |
| Input | Vin 44VDC to 57VDC on Wire Terminal |
| LED's | Right Hand LED: Gigabit Link (Green On), Activity (Green Blinking) 10/100Mb/s Link (Yellow On), Activity (Yellow Blinking) Left Hand LED: PoE Power ON (Yellow On) |
| PoE Protections | Over Temperature, Over Current, Short Circuit |
| Surge Protection | IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC61000-4-4 (EFT) 40A (5/50ns) |
| Self Consumption | < 3 Watt Typical |
| Switch Technology | Store and Forward |
| Protocol | CSMA/CD |
| Flow Control | IEEE802.3x(full-duplex), Back Pressure(half-duplex) |
| Data Transmission Rate | 1488000pps , 148800pps, 14880pps |
| Address Table | 1K MAC, self-learning |
| Operating Temp | -30 to +70°C (-22 to 158°F) |
| Operating Humidity (RH) | 5% - 90% (non condensing) |
| Storage Temperature | -40 to +85°C (-40 to +185°F) |
| Dimensions (LxWxH) | 159 x 118 x 40mm (6.3 x 4.6 x 1.6") |
| Weight | 318g (11oz) |
| Warranty | 3 Years |

Typical Application:



System Ordering:

TP-SW5G-VERSA

5 Port Gigabit Versatile Output PoE Switch, 1 (60W), 3 (30W) at, 1 (12W) 24V PoE

For further information contact: Tyconsystems.com