

Versatile Output PoE Switch

Features

- One (90W) 802.3bt 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

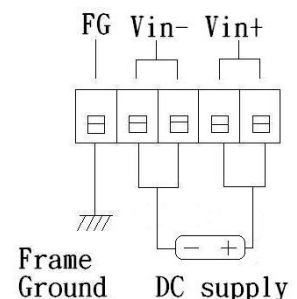
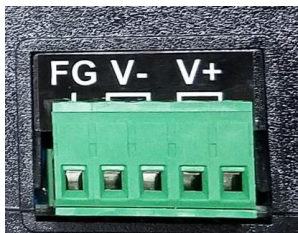
- Power different PoE devices from a single 48V supply
- Cameras and Wireless Radios
- PoE Lighting Applications

Description

The TP-SW5G-VERSABT 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 90W 4pair 802.3bt 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 44-57VDC (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-VERSABT Power Inputs (44-57VDC)



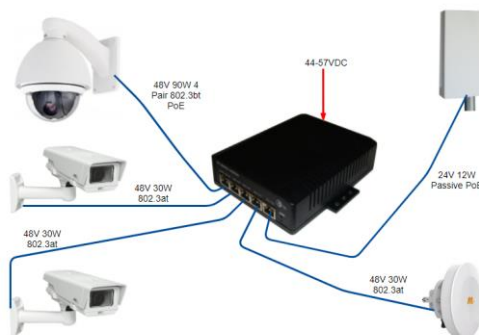
TP-SW5G-VERSABT Ethernet/PoE Pinout

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-VERSABT
Ports	Port 1: 90W 4Pair 801.3bt 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 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-VERSABT

5 Port Gigabit Versatile Output PoE Switch, 1 (90W) bt, 3 (30W) at, 1 (12W) 24V PoE

For further information contact: Tyconsystems.com