

# Industrial 4-Port Gigabit PoE+ 2-Port Gigabit SFP L2 Managed Ethernet Switch

## Overview

UTP6306S-PSB is Industrial 4-Port Gigabit PoE+ 2-Port Gigabit SFP L2 Managed Ethernet Switch.

This switch provides 4 Gigabit Ethernet RJ-45 ports and 2 Gigabit SFP uplink ports. It meets IEEE 802.3af/at standard. All RJ-45 ports support Power-over-Ethernet (PoE+) and deliver up to 30W power per port.

The switch has extensive L2 management functions, such as 802.1Q VLAN, 802.1P QoS, STP/RSTP, Link aggregation, DHCP and PoE control. It can be easily managed via a WEB GUI (<http/https>), CLI (<telnet/ssh/console>) or SNMP.

## Features and Highlights

### Abundant Interfaces

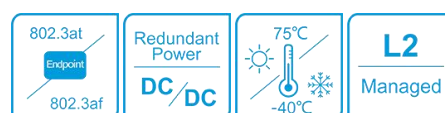
- 4\*10/100/1000 Base-T PoE+ RJ-45 ports
- 2\*1000 Base-X SFP ports
- 1\*RJ-45 Console port

### Industrial Design

- Working temperature: -40~75°C
- Redundant power supply
- 8kV contact discharge, 12kV air discharge ESD protection
- Fan-less metal shell design
- DIN-rail installation

### Layer 2 Management Function

- 802.1Q VLAN
- 802.1P QoS
- SNMP
- STP/RSTP/MSTP
- ERPS
- DHCP snooping



## Specifications

Items	UTP6306S-PSB
<b>Hardware Specifications</b>	
Downlink Ports	4*10/100/1000 Base-T PoE+ RJ-45
Uplink Ports	2*1000 Base-X SFP
Console Port	1*RJ-45 Console port
Init Button	Short press to restart the switch, long press >5s to initialise the system
LED Indicators	2* power supply indicators, 1* system working indicator
Cable	Cat5 or better
Dimensions (W*D*H)	143.7mm*103.8mm*47.7mm
Net Weight	0.65kg
Input Voltage	Support redundant power supply, Power 1 (Main): 48~57V DC, Power 2 (Backup): 48~57V DC
Power Consumption	≤5W(Full load, not include PoE)
Installation	DIN-rail
Material	Metal shell
<b>Switch Property</b>	
Forwarding Modes	Store and Forward
Switching Capacity	12Gbps/non-blocking
Packet Forwarding Rate	8.9Mpps
MAC Table	8k,supported auto learning
Packet Buffer	4Mbit
Jumbo Frame	9kB
<b>PoE</b>	
PoE Power Supply Type	End-span
PoE Standard	IEEE 802.3 af/at
PoE Pin Assignment	1/2(+),3/6(-)
PoE Power Output	46~55V DC
PoE Budget	30W max for each port, 120W max for whole switch
<b>Standard Conformance</b>	
Standards Compliance	IEEE 802.1p Priority Queuing IEEE 802.1Q VLAN tagging IEEE 802.1D Spanning Tree Algorithm IEEE 802.1w Rapid Spanning Tree IEEE 802.1x Authentication IEEE 802.3ad Link Aggregation IEEE 802.3x Flow Control IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3z Gigabit Ethernet IEEE 802.3af Power Over Ethernet IEEE 802.3at Power Over Ethernet
<b>EMC</b>	
EMC	FCC 47 CFR Part 15 Class A EN55032 Class A IEC61000-4-2,Level 3: Contact Discharge: ±8kV, Air Discharge: ±12kV IEC61000-4-3,Level 3: 10V/m IEC61000-4-4,Level 2: Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5,Power Port: Line to Line ±2kV, Line to Earth ±4kV; Data Port: ±2kV IEC61000-4-6,3V (10kHz-150kHz); 10V (150kHz-80MHz)
<b>LVD</b>	
LVD	EN 62368-1:2014 EN 62328-A11:2017
<b>Environments</b>	
Operating	Temperature: -40°C~75°C Relative Humidity: 5%~95% (Non-condensation)
Storage	Temperature: -40°C~85°C Relative Humidity: 5%~95% (Non-condensation)
<b>Certifications</b>	
Certifications	CE, FCC

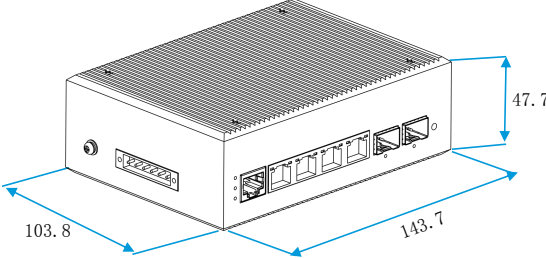
## Software Architecture

UTP6306S-PSB			
<b>Information and Status</b>		<b>Advanced Configure</b>	
System Information	System, Hardware, Time and Firmware	Port Isolation	• Port Group and Port Isolation
IP Status	IP Interfaces, IP Routes and ARP Table	Loop Protection	• General Settings and Port Configuration
SysLog	System Log Information	Spanning Tree	• Bridge Settings, MSTI Mapping, MSTI Priorities, CIST Ports and MSTI Ports
Detailed SysLog	ID and Message	IPMC Profile	• Profile Table and Address Entry
MAC Table	MAC Address Table: Type, VLAN, MAC Address, CPU and Port Number	MEP	• Maintenance Entity Point
VLANs	Membership and Ports	ERPS	• Ethernet Rapid Ring Protection Switching
Ports	Traffic Overview and Detailed Statistics	IGMP Snooping	• Basic Configuration, VLAN Configuration and Port Filtering Profile
LACP	System Status, Port Status and Port Statistics	IPv6 MLD Snooping	• Basic Configuration, VLAN Configuration and Port Filtering Profile
Thermal Protection	Thermal Protection Port Status	LLDP	• LLDP Parameters and LLDP Interface Configuration
Green Ethernet	Port Power Savings Status	<b>Security Configure</b>	
PoE Status	Power Over Ethernet Status	Users	• Users Configuration
LLDP	Thermal Protection Port Status	Privilege Levels	• Privilege Level Configuration
Loop Protection	Loop Protection Status	SSH	• SSH Configuration
Spanning Tree	Bridge Status, Port Status and Port Statistics	HTTPS	• HTTPS Configuration
IGMP Snooping	IGMP Snooping Status, Groups Information and IPv4 SFM Information	Port Security Limit	• System and Port Configuration
MLD Snooping	MLD Snooping Status, Groups Information and IPv6 SFM Information	Access Management	• Access Management Configuration
DHCP	Server, Snooping Table, Relay Statistics and Detailed Statistics	802.1X	• Network Access Server Configuration
Security	Port Security, Access Management Statistics, 802.1X, ACL Status and AAA	ACL	• Ports, Rate Limiters and Access Control List
QoS	QoS Statistics and QCL Status	DHCP	• IP Source Guard Configuration, Static Table and Dynamic Table
<b>Network Admin</b>		IP&MAC Source Guard	• Snooping Setting, Snooping Table, Relay, Relay Statistics and Detailed Statistics
IP Config	• IP Configuration, IP Interfaces and IP Routes	ARP Inspection	• Port Configuration, VLAN Configuration, Static Table and Dynamic Table
IP Status	• IP Interfaces, IP Routes and ARP Table	AAA	• RADIUS and TACACS+
DHCP Server	• DHCP Server Mode Configuration, Excluded IP and Pool	<b>QoS Configure</b>	
NTP	• NTP Configuration	Port Classification	• QoS Ingress Port Classification
Timezone	• System Timezone Off set and UTC time	Port Policing	• QoS Ingress Port Policers
SNMP	• System, Trap, Communities, Users, Groups, Views and Access	Queue Policing	• QoS Ingress Queue Policers
SysLog	• System Log Configuration	Port Scheduler	• QoS Egress Port Schedulers
<b>Port Configure</b>		Port Shaping	• QoS Egress Port Shapers
Ports	• Port Configuration	Port Tag Remarking	• QoS Egress Port Tag Remarking
Aggregation	• Static and LACP	Port DSCP	• QoS Port DSCP Configuration
Mirroring	• Mirror and Mirror Port Configuration	DSCP-Based QoS	• DSCP-Based QoS Ingress Classification
Thermal Protection	• Thermal Protection Configuration	DSCP Translation	• DSCP Translation
Green Ethernet	• Port Power Savings and Port Configuration	DSCP Classification	• DSCP Classification
DDM	• DDM Configuration, DDM Overview and DDM Detailed	QoS Control List	• QoS Control List Configuration
PoE		Storm Policing	• Global Storm Policer Configuration
PoE Setting	• Power Over Ethernet, PoE Power Supply and PoE Port Configuration	<b>Diagnostics</b>	
PoE Status	• Power Over Ethernet Status	Ping	• ICMP Ping
<b>Advanced Configure</b>		Cable Diagnostics	• Cable Status
MAC Table	• Aging Configuration, MAC Table Learning and Static MAC Table Configuration	CPU Load	• CPU Load Information
PTP	• PTP Clock Configuration and PTP Status	<b>Maintenance</b>	
VLANs	• Global VLAN and Port VLAN Configuration	Restart Device	• Restart the Device
Voice VLAN	• Voice VLAN Configuration and Voice VLAN OUI Table	Factory Defaults	• Factory Defaults
GVRP	• GVRP Global and Port Configuration	Firmware Upgrade	• Software Upload
		Firmware Select	• Software Image Selection
		Configuration	• Download, Upload, Activate and Delete

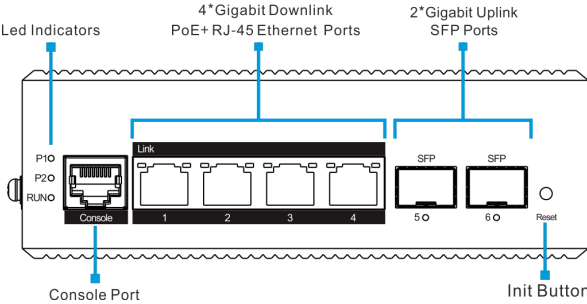
# Appearances and Dimensions

## UTP6306S-PSB

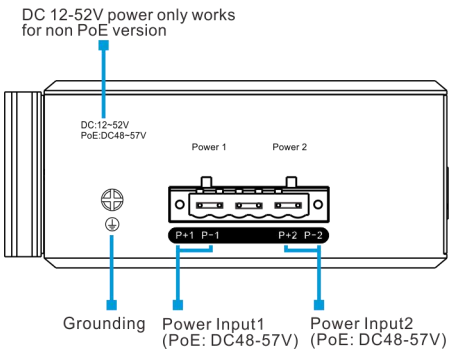
### Dimensions (mm)



### Front Panel



### Side Panel



## Packing List

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Switch	1 set
Plug Connector	1 pc
Quick Installation Guide	1 pc

## More Information

For more information, please visit:

[www.utepo.net](http://www.utepo.net)

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