

Industrial 8-Port Gigabit PoE+ 4-Port SFP L2 Managed Ethernet Switch

Overview

UTP6312S-PSB is Industrial 8-Port Gigabit PoE+ 4-Port SFP L2 Managed Ethernet Switch.

This switch provides 8 Gigabit Ethernet RJ-45 ports and 4 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

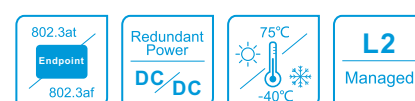
- 8*10/100/1000 Base-T PoE RJ-45 ports
- 4*1000 Base-X SFP ports
- 1*RJ-45 console port

Industrial Design

- Working temperature: -40°C~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
- ERPS
- DHCP snooping



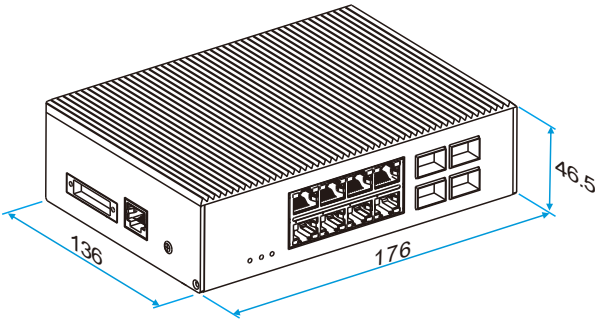
Specifications

Items	UTP6312S-PSB
Hardware Specifications	
Downlink Ports	8*10/100/1000Base-T PoE+ RJ-45
Uplink Ports	4*100/1000Base-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)	176mm*136mm*46.5mm
Net Weight	0.9kg
Input Voltage	Support redundant power supply, Power 1 (Main): 48~57V DC, Power 2 (Backup): 48~57V DC
Power Consumption	≤10W (Full load, not include PoE)
Installation	DIN-rail
Material	Metal shell
Switch Property	
Forwarding Modes	Store and Forward
Switching Capacity	24Gbps / non-blocking
Packet Forwarding Rate	17.9Mpps
MAC Table	8k, supported auto learning
Packet Buffer	4Mbit
Jumbo Frame	9kB
PoE	
PoE Device	Endpoint PSE
PoE Standard	IEEE 802.3af/at
PoE Pin Assignment	1/2(+), 3/6(-)
PoE Power Output	46~55V DC
PoE Budget	30W max for each port, 240W max for whole switch
Standard Conformance	
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
EMC	
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)
LVD	
LVD	EN 62368-1:2014 EN 62328-A11:2017
Environments	
Operating	Temperature: -40°C~75°C Relative Humidity: 5%~95% (Non-condensation)
Storage	Temperature: -40°C~85°C Relative Humidity: 5%~95% (Non-condensation)
Certifications	
Certifications	CE, FCC

Software Architecture

UTP6312S-PSB	
Information and Status	Advanced Configure
System Information	Port Isolation
IP Status	Loop Protection
SysLog	Spanning Tree
Detailed SysLog	IPMC Profile
MAC Table	MEP
VLANs	ERPS
Ports	IGMP Snooping
LACP	IPv6 MLD Snooping
Thermal Protection	LLDP
Green Ethernet	Security Configure
PoE Status	Users
LLDP	Privilege Levels
Loop Protection	SSH
Spanning Tree	HTTPS
IGMP Snooping	Port Security Limit
MLD Snooping	Access Management
DHCP	802.1X
Security	ACL
QoS	DHCP
Network Admin	IP&MAC Source Guard
IP Config	ARP Inspection
IP Status	AAA
DHCP Server	QoS Configure
NTP	Port Classification
Timezone	Port Policing
SNMP	Queue Policing
SysLog	Port Scheduler
Port Configure	Port Shaping
Ports	Port Tag Remarking
Aggregation	Port DSCP
Mirroring	DSCP-Based QoS
Thermal Protection	DSCP Translation
Green Ethernet	DSCP Classification
DDM	QoS Control List
PoE	Storm Policing
PoE Setting	Diagnostics
PoE Status	Ping
Advanced Configure	Cable Diagnostics
MAC Table	CPU Load
PTP	Maintenance
VLANs	Restart Device
Voice VLAN	Factory Defaults
GVRP	Firmware Upgrade
	Firmware Select
	Configuration

Appearances and Dimensions

UTP6312S-PSB
Dimensions (mm)

Front Panel
8*Gigabit Downlink PoE+ RJ-45 Ethernet Ports Init Button Led Indicators 4*Gigabit Uplink SFP Ports
Side Panel
DC 12-52V power only works for non PoE version Console Port Grounding Power Input 2 (PoE: DC48-57V) Power Input 1 (PoE: DC48-57V)

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

Related Products

Model	Description
GM152-5450268-F	150W Power Adapter
NDR-120-48	120W DIN-rail Power Supply
NDR-240-48	240W DIN-rail Power Supply
SFP-1.25G-550M	Gigabit Multimode Dual Fiber 550m SFP Optical Module
SFP-1.25G-20KM-TX/RX	Gigabit Single Mode Single Fiber 20km SFP Optical Module TX/RX

More Information

For more information, please visit:

www.utepo.net

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