

8-Port BTPOE Gigabit + 2-Port SFP L2 Managed Ethernet Switch

Overview

This series product is 8-Port BTPOE Gigabit + 2-Port SFP L2 Managed Ethernet Switch.

This series contains 2 types:

- UTP7308GE-BTPOE: 8-Port BTPOE Gigabit + 2-Port SFP L2 Managed Ethernet Switch (480W)
- UTP7308GE-BTPOE90: 8-Port BTPOE Gigabit + 2-Port SFP L2 Managed Ethernet Switch (720W)

This series switch provides 8 Gigabit Ethernet RJ-45 ports and 2 Gigabit SFP uplink ports. The switch meets IEEE 802.3af/at/bt standard. Each RJ-45 ports support Power-over-Ethernet (PoE++) and deliver up to 90W power per port. The total PoE power budget is up to 480W/720W.

The switch has extensive L2 management functions, such as 802.1Q VLAN, 802.1P QoS, SNMP, IPv6, Fast Ring and PoE control. It can be easily managed via a WEB GUI (http/https), CLI (telnet/ssh/console) or SNMP.

The switch is equipped with an alarm relay that can be configured via software. It can be widely used in lighting industry, security monitoring, enterprise parks and so on.

Features and Highlights



Abundant Interfaces

- 8*10/100/1000Base-T PoE++ RJ-45 ports
- 2*1000 Base-X SFP ports
- 1*RS-232 console port (115200,8,N,1)

Each port supports IEEE802.3af/at/bt

- 90W PoE for each port
- UTP7308GE-BTPOE: 480W PoE for whole switch
UTP7308GE-BTPOE90: 720W PoE for whole switch
- Support Perpetual PoE
- Support PoE watchdog

High Reliability

- Working temperature:
UTP7308GE-BTPOE: -10°C~50°C
UTP7308GE-BTPOE90: -40°C~55°C (720W), -40°C~75°C (420W)
- 6kV surge immunity
- 8kV contact discharge, 8kV air discharge ESD protection
- Relay alarm for cable link down and PoE link down
- Fan-less metal shell design
- DIN-rail/wall mounted/desktop installation

Layer 2 Network Management

- 802.1Q VLAN
- 802.1P QoS
- SNMP
- IPv6
- Fast-Ring, self-healing in 20ms
- ERPS
- One-key smart mode: CCTV, LOCK, RING, ONLINE



Hardware Specifications

Items	UTP7308GE-BTPOE	UTP7308GE-BTPOE90
Physical Ports		
Downlink Ports	8*10/100/1000Base-T PoE++ RJ-45 (Auto-MDI/MDI-X)	
Uplink Ports	2*1000 Base-X SFP (Mini-GBIC)	
Console Port	1*RS-232 console port (115200,8,N,1)	
Alarm Output	1 channel relay alarm output, 1A@DC 12V, 2 cores, 5.08mm terminal	
PoE		
PoE Standard	IEEE 802.3af/at/bt (PSE)	
PoE Supply Type	End-span	
PoE Pin Assignment	3/6/4/5 (+), 1/2/7/8 (-)	3/6/4/5 (+), 1/2/7/8 (-)
PoE Output	52~57V DC	
PoE Budget	90W max for each port (full load with 52V DC input voltage) 480W max for whole switch	90W max for each port (full load with 52V DC input voltage) 720W max for whole switch
Switch Property		
Standards	IEEE 802.3 , IEEE 802.3u, IEEE 802.3ab, IEEE 802.3Z, IEEE 802.3X, IEEE 802.1D	
Forwarding Modes	Store and Forward	
Packet Buffer	4Mbits	
MAC Table	8k	
Switching Capacity	20Gbps / non-blocking	
Packet Forwarding Rate	14.9Mpps	
Jumbo Frame	16kB	
Power Supply		
Input Voltage	DC 48~57V	
Power Consumption	≤20W (Not including PoE)	
Reliability		
Surge Immunity	6kV, Standard: IEC6000-4-5	
ESD Protection	8kV Contact Discharge, 8kV Air Discharge, Standard: IEC61000-4-2	
MTBF	285130h	
MTBF Standards	Telcordia SR-332, 25°C	
Operating Temperature	-10°C~50°C	-40°C~55°C (720W) -40°C~75°C (420W)
Storage Temperature	-40°C~85°C	
Operating Humidity	5%~95% (Non-condensation)	
Physical Parameter		
Led Indicators	1* Power indicator 1* System status indicator 1* Alarm indicator 2* SFP port indicators 8* Port Link/ACT indicators 8* PoE indicators	
Init Button	Short press to restart, Long press >5s to initialize the system	
Dimensions (W*D*H)	163.2mm*110mm*65.8mm	
Net Weight	1210g±20g	1560g±20g
Material	Metal shell	
Installation	DIN-rail/wall mounted/desktop	
Certifications		
Certifications	CE, FCC	

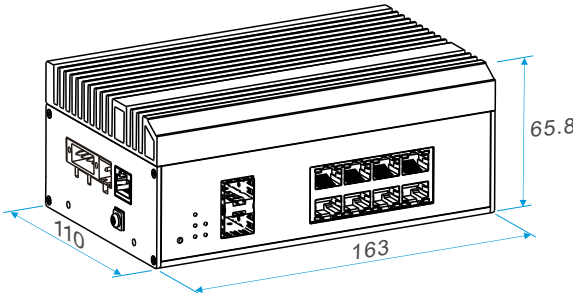
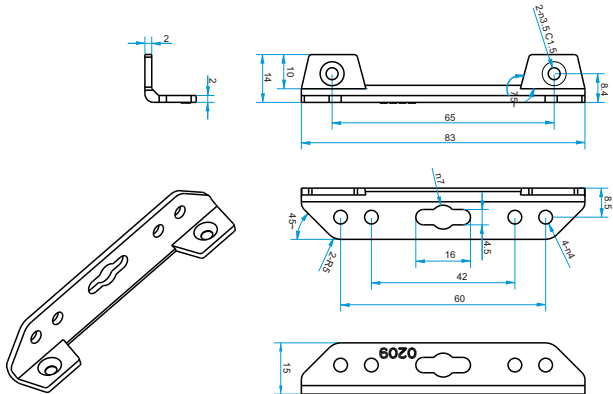
Software Specifications

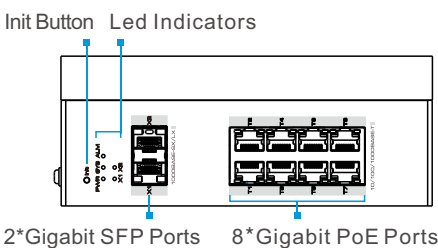
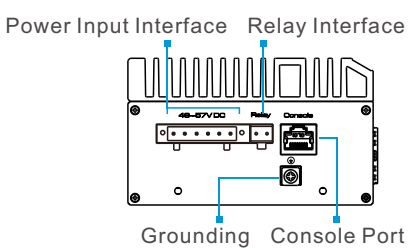
UTP7308GE-BTPOE, UTP7308GE-BTPOE90	
System State	
System Status	<ul style="list-style-type: none"> • Device Name • MAC Address • Firmware Version • Hardware Version • System Time • Update Time
Port Configuration	
Port Setting	<ul style="list-style-type: none"> • Port State • Port Speed • Duplex Mode • Traffic Control • Port Range
Rate Limit	<ul style="list-style-type: none"> • Enable and Disable • Port Range • Input Speed Limit • Output Speed Limit
Storm Control	<ul style="list-style-type: none"> • Port Range • Broadcast Storm • Multicast Storm • Unknown Unicast Storm
PoE Setting	
Power Control	<ul style="list-style-type: none"> • Power Setting • Power Status • Port Status and Control
Schedule	<ul style="list-style-type: none"> • Restart Setting • Working Setting
VLAN	
VLAN	<ul style="list-style-type: none"> • Port-based VLAN • VLAN Forward • Voice VLAN OUI • PVLAN • MAC-based VLAN • Protocol-based VLAN • GVRP • QinQ
QoS	
802.1P QoS	<ul style="list-style-type: none"> • 802.1P Priority • Output Queue
DSCP	<ul style="list-style-type: none"> • DSCP Value Range • Output Queue
Redundancy	
LACP	<ul style="list-style-type: none"> • Trunk Setting
Fast-Ring Protection	<ul style="list-style-type: none"> • Fast-Ring Network Group 1 • Fast-Ring Network Group 2
Rapid Spanning Tree	<ul style="list-style-type: none"> • STP Version • Device Priority • Message Sending Period • Message Maximum Lifetime • Port State Transition Delay • This Bridge Update Message • Modify Configuration
Loopback Protection	<ul style="list-style-type: none"> • Protect Automatic Recovery • Disable Loop Port Time • Port Range • Port Loop Detection
ERPS Ring	<ul style="list-style-type: none"> • Ring Number • East Interface • West Interface
ERPS Instance	<ul style="list-style-type: none"> • EPRS Instance Name • ERPS Instance ID • ERPS Ring Level • RAPS VLAN • Owner Interface • Subring Block • Associated Instance
Port Reliability	
Static Address Lock	<ul style="list-style-type: none"> • Enable and Disable • MAC Address, VLAN ID, Port
802.1x Authentication	<ul style="list-style-type: none"> • Authentication Timer • Radius Server Setting • Port Setting
Radius Database	<ul style="list-style-type: none"> • Radius Server Setting
Network Management	
SNMP	<ul style="list-style-type: none"> • SNMP Server • SNMP Version • Read-only Group Name • Read and Write Group Name • SNMP V3 Setting
Port Mirroring	<ul style="list-style-type: none"> • Monitor Port • Mirror Port Range • Collect Data
Email Alarm	<ul style="list-style-type: none"> • Mail Server Setting • Receiver Address • Mail Replay Address • Mail Interval
IGMP Snooping	<ul style="list-style-type: none"> • IGMP Query • IGMP Query Interval • Group Member Alive Time
DHCP Server	<ul style="list-style-type: none"> • Client Lease Time • DNS Address • Win Server • Network Interface • Default Gateway • Start IP Address • Max Client Number
DHCP Relay	<ul style="list-style-type: none"> • Option 82 • DHCP Server Address
DHCP Snooping	<ul style="list-style-type: none"> • Trust Port Setting
DHCPv6 Snooping	<ul style="list-style-type: none"> • Trust Port Setting
Telnet Setting	<ul style="list-style-type: none"> • Enable and Disable
Network Information	
Packet Statistics	<ul style="list-style-type: none"> • Sent Packet Statistics • Received Packet Statistics
Traffic Statistics	<ul style="list-style-type: none"> • Sent Frame Statistics • Received Frame Statistics
MAC Address Table	<ul style="list-style-type: none"> • MAC Address Table • Sort Type
System Management	
IP Address	<ul style="list-style-type: none"> • Manage VLAN • DHCP Client • IPv4 Address • Default Gateway • DNS Address • IPv6 Address
User Setting	<ul style="list-style-type: none"> • Access Privilege • Account Setting
Log Information	<ul style="list-style-type: none"> • Log Query • Log Download • Log Clearing
File Management	<ul style="list-style-type: none"> • Restore Factory Value • System Reboot • Download Configuration File • Upload Configuration File • System Upgrade
Web Access	<ul style="list-style-type: none"> • HTTP • HTTPS
Timing Start	<ul style="list-style-type: none"> • Restart Every Day/Week/Month
Alarm Management	<ul style="list-style-type: none"> • Port Network • Port PoE
One Key Smart	<ul style="list-style-type: none"> • CCTV Mode • Device Lock • Fast Ring • Device Online (PoE watchdog)

Appearances and Dimensions

UTP7308GE-BTPOE, UTP7308GE-BTPOE90

Dimensions (mm)

Front Panel	Side Panel
	

Packing List

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

Items	Quantity
Switch	1 set
Mounting Accessory	1 set
Quick Installation Guide	1 pc

More Information

For more information, please visit:

www.utepo.net

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