

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 | |

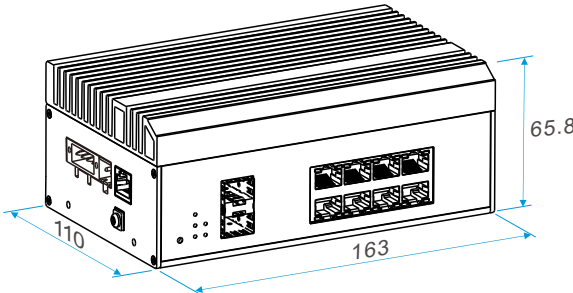
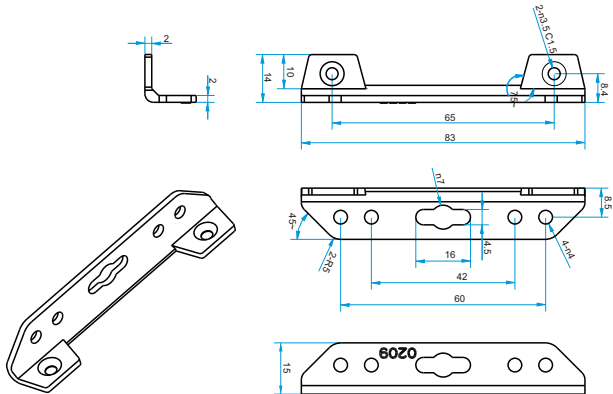
Software Specifications

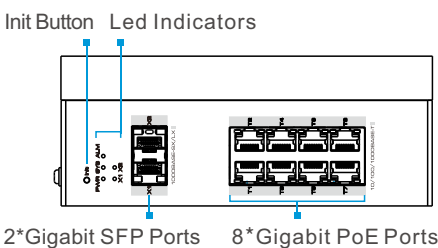
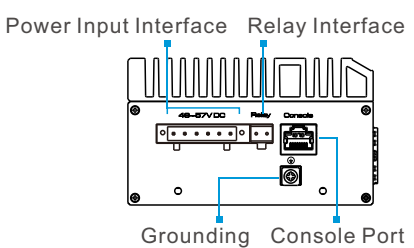
| UTP7308GE-BTPOE, UTP7308GE-BTPOE90 | |
|------------------------------------|---|
| System State | |
| System Status | <ul style="list-style-type: none"> • Device Name • MAC Address • Firmware Version • Hardware Version • System Time • Update Time |
| Port Configuration | |
| Port Setting | <ul style="list-style-type: 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 |
| User Setting | <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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