

# 16 Ports Gigabit POE Switch

## FSC-16ET-POE



## Features

- POE Gigabit port
- 1.25Gbps SFP UPLINK port
- Half/Full-duplex mode
- 1U rack mount
- IEEE802.3 af/at

## Specifications

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model No.</b>         | FSC-16ET-POE                                                                                                                                 |
| <b>Network</b>           |                                                                                                                                              |
| <b>Interface</b>         | 16*10/100/1000M PoE Ports + 2*Gigabit SFP Up-Link port                                                                                       |
| <b>Media</b>             | 10BASE-T: Cat5E UTP (≤ 250 m)<br>100BASE-TX: UTP (≤100 m) above Cat5<br>1000BASE-TX: UTP (≤100 m) above Cat5                                 |
| <b>Network Protocols</b> | IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z                                                                                   |
| <b>PoE Parameters</b>    |                                                                                                                                              |
| <b>PoE Standard</b>      | IEEE802.3af /IEEE802.3at                                                                                                                     |
| <b>Max each port</b>     | 15.4W (IEEE 802.3af)<br>30W (IEEE 802.3at)                                                                                                   |
| <b>Port Output</b>       | 48-55 V DC                                                                                                                                   |
| <b>Optical</b>           | Multi Mode Fiber: 850nm, 1310nm,<br>Transmission Distance: 550m/2Km<br>Single-Mode Fiber: 1310nm, 1550nm,<br>Transmission Distance: 20~120km |
| <b>Performance</b>       |                                                                                                                                              |
| <b>Forwarding mode</b>   | Store and Forward                                                                                                                            |
| <b>Package Cache</b>     | 1.5Mbits                                                                                                                                     |
| <b>MAC</b>               | 8K                                                                                                                                           |
| <b>Jumbo Frame</b>       | 9216byte                                                                                                                                     |
| <b>Memory Capacity</b>   | 1024MB                                                                                                                                       |
| <b>Buffer Memory</b>     | 4Mbit                                                                                                                                        |
| <b>Forwarding Rate</b>   | 38.7Mpps                                                                                                                                     |
| <b>Back Bandwidth</b>    | 36Gbps                                                                                                                                       |

|                                  |                                                                                                                                                       |
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| <b>Power Supply</b>              |                                                                                                                                                       |
| <b>Power Input</b>               | Build-in 52V/5.76A, 300W                                                                                                                              |
| <b>Static Power</b>              | 0.728W (220V/50Hz)                                                                                                                                    |
| <b>Surge Protection</b>          | ±4KV                                                                                                                                                  |
| <b>General</b>                   |                                                                                                                                                       |
| <b>Working Temperature</b>       | -20°C~50°C                                                                                                                                            |
| <b>Working Humidity</b>          | 10~90% (non-condensing)                                                                                                                               |
| <b>Color</b>                     | Metal, Black                                                                                                                                          |
| <b>MTBF</b>                      | >100.000 hours                                                                                                                                        |
| <b>Dimension</b>                 | 410×185×50mm                                                                                                                                          |
| <b>Certification</b>             | CE, FCC Rohs,3C                                                                                                                                       |
| <b>Weight</b>                    | 2,1kg                                                                                                                                                 |
| <b>Layer 2 Software Function</b> |                                                                                                                                                       |
| <b>Port Management</b>           | Enable/Disable Port<br>Speed, Duplex, MTU Setting<br>Flow-control<br>Port Information Check                                                           |
| <b>Port Mirroring</b>            | Support both side-way port mirroring                                                                                                                  |
| <b>Port Speed Limit</b>          | Support port-based input/output bandwidth management                                                                                                  |
| <b>Port Isolation</b>            | Support the downlink port isolation, and can communicate with the uplink port                                                                         |
| <b>Storm Suppression</b>         | Supports unknown unicast, multicast, unknown multicast, broadcast type storm suppression<br>Storm suppression based on bandwidth regulation and storm |

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Link Aggregation</b>    | Support static manual aggregation<br>Support LACP dynamic aggregation                                                                                                                                      |
| <b>VLAN</b>                | Access, Trunk, Hybrid<br>Support port, protocol, MAC-based<br>VLAN partitioning<br>Support GVRP dynamic VLAN<br>registration Voice VLAN                                                                    |
| <b>MAC</b>                 | Support static addition, deletion<br>MAC address learning limit<br>Support dynamic aging time setting                                                                                                      |
| <b>Spanning tree</b>       | Support STP spanning tree protocol<br>Support RSTP Rapid Spanning Tree<br>Protocol<br>Support MSTP Rapid Spanning Tree<br>Protocol                                                                         |
| <b>Multicast</b>           | Static addition, deletion IGMP snooping<br>MLD-Snooping<br>V1/2/3 dynamic multicast monitor                                                                                                                |
| <b>DDM</b>                 | Support SFP/SFP+DDM                                                                                                                                                                                        |
| <b>Extended Function</b>   |                                                                                                                                                                                                            |
| <b>ACL</b>                 | Based on source MAC, destination MAC,<br>protocol type, source IP, destination IP,<br>L4 port                                                                                                              |
| <b>LLDP</b>                | Support LLDP link discovery protocol                                                                                                                                                                       |
| <b>Network diagnosis</b>   | Support ping, telnet, trace                                                                                                                                                                                |
| <b>System Management</b>   | Device reset, configuration save/restore,<br>upgrade management, time setting, etc                                                                                                                         |
| <b>Management Function</b> |                                                                                                                                                                                                            |
| <b>CLI</b>                 | Serial port command line management                                                                                                                                                                        |
| <b>SSH</b>                 | SSHv1/2 remote management                                                                                                                                                                                  |
| <b>TELNET</b>              | Telnet remote Management                                                                                                                                                                                   |
| <b>WEB</b>                 | Support Layer 2 settings, Layer 2 and<br>Layer 3                                                                                                                                                           |
| <b>SNMP</b>                | SNMP V1/V2/V3<br>Support trap, ColdStart, WarmStart,<br>LinkDown, LinkUp                                                                                                                                   |
| <b>RMON</b>                | Support RMON v1                                                                                                                                                                                            |
| <b>POE</b>                 | Support PoE power supply                                                                                                                                                                                   |
| <b>Other Functions</b>     | Support DHCP Snooping<br>Support dynamic ARP detection<br>Support TACACS+<br>Support DNS<br>Support port security<br>Support MVR protocol<br>Support Cable detection VCT function<br>Support UDLD protocol |