



ETENTECH PSG-7026VM

- * 500W Current Sharing PoE
- * IEEE 802.3at PoE+, up to 30W per port
- * Layer 2+ Full Managed Software Features
- * 4K VLAN, 8 queues QoS, Advanced VLANs
- * MSTP, LACP, LLDP, sFlow, 802.1X, TACAS+, ACL
- * IPv4/v6 dual protocol

24-Port 10/100/1000Base-T PoE+ and 2 Gigabit SFP Layer 2+ Management Current Sharing PoE+ Switch

Introduction

PSG-7026VM is 24-port 10/100/1000Base-T + 2 Gigabit SFP L2+ Management Current Sharing PoE Switch that is designed for medium or large network environment to strengthen its network connection. The 24 10/100/1000Base-T ports support IEEE 802.3at PoE technology, up to 30W per port and maximum 100m transmission distance. The switch equipped with Current Sharing technology to support maximum 500W power consumption for PoE power. The added 2 SFP slots support 100M and Gigabit Fiber transceiver for long distance transmission. The switch also supports Layer 2+ full management software features. These features are powerful to provide PoE Control, Network Control, Management, Monitor and Security features' requests. It is a superb choice to boost your network with better performance, efficiency and high PoE power consumption.

Current Sharing PoE

PSG-7026VM equipped with Current Sharing technology to support maximum 500W power consumption for PoE power. There are 2 power modules inside, they work together to provide 500W PoE power to the front 24 PSE ports. Once one of the power modules is failure, the other power module can backup and continuously deliver 250W PoE power. Once the PD clients request higher than 250W power, the user can configure the priority value for the PSE ports, the switch delivers power to the higher priority ports first.

2 Gigabit SFP Open Slots

PSG-7026VM is a 26-port design. It supports 2 additional SFP open slots to uplink to servers, storage, or other switching devices for long loop reach applications. The 2 SFP slots can support different types, speed and distance SFP transceivers. It also supports legacy 100M SFP transceiver. If the 100M fiber infrastructure is constructed and 100M bandwidth is enough, the 100M SFP transceiver can be an optional choice for the legacy 100M network environment.

Full Layer 2+ Management Features

The switch includes full Layer 2+ Management features. The software set includes up to 4K 802.1Q VLAN and advanced Protocol VLAN, Private VLAN, MVR...advanced VLAN features. There are 8 physical queues Quality of Service, IPv4/v6 Multicast filtering, Rapid Spanning Tree protocol to avoid network loop, Multiple Spanning Tree Protocol to integrate VLAN and Spanning Tree, LACP, LLDP; sFlow, port mirroring, cable diagnostic and advanced Network Security features. It also provides Console CLI for out of band management and SNMP, Web GUI for in band Management.

Advanced Security

The switch supports advanced security features. For switch management, there are secured HTTPS and SSH, the login password, configuration packets are secured. The port binding allows to bind specific MAC address to the port, only the MAC has the privilege to access the network. The 802.1X port based Access Control, every user should be authorized first when they want to access the network. AAA is the short of the Authentication, Authorization and Accounting with RADIUS, TACAS+ server. Layer 2+ Access Control List allows user to define the access privilege based on IP, MAC, Port number...etc.

Technical Specifications

Standard	<p>Ethernet: IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3az EEE</p> <p>PoE: IEEE 802.3at PoE+</p> <p>Protocol: IEEE 802.3x - Flow Control, IEEE 802.1Q – VLAN, IEEE 802.1p - Class of Service, IEEE 802.1D - Spanning Tree, IEEE 802.1w - Rapid Spanning Tree, IEEE 802.1s - Multiple Spanning Tree, IEEE 802.3ad - Link Aggregation Control Protocol (LACP), IEEE802.1v - Protocol VLAN, IEEE 802.1AB - LLDP (Link Layer Discovery Protocol), IEEE 802.1X - Access Control</p>
Interface	<p>Number of Port: 26</p> <p>10/100/1000Base RJ-45 Port: 24, Auto-negotiation, Auto MDI/MDIX</p> <p>100/1000Base-X SFP: 2</p>
Performance	<p>Switch Fabric: 52Gbps</p> <p>MAC Address Table Size: 8K</p> <p>Forwarding Rate: 38.7Mpps</p> <p>Packet Buffer: 4Mb</p>
Power Input	100~240VAC 50~60Hz
Maximum Power Consumption	500W
System Power Consumption	Max. 25W
PoE Features	<p>Max. Power Output Per Port: 30W</p> <p>Power Budget : 430W</p> <p>PoE Management:</p> <ul style="list-style-type: none"> Enable/Disable per-port Priority Setting per-port Maximum Power per-port/system PoE Mode Setting per-port PD Classification, PoE Status
L2 Features	<p>Flow Control: 802.3x (Full-duplex)ort/ Back-Pressure (Half-duplex)</p> <p>Spanning Tree:</p> <ul style="list-style-type: none"> IEEE 802.1D-2004(Includes IEEE 802.1w): Rapid Spanning Tree Protocol 802.1s Multiple Spanning Tree Protocol <p>VLAN:</p> <ul style="list-style-type: none"> IEEE 802.1Q Tagged Based, Max. VLAN Group: 4K QinQ Port-based VLAN Voice VLAN Private VLAN MVR MAC-Based VLAN Protocol-Based VAN <p>Link Aggregation:</p> <ul style="list-style-type: none"> Static Trunk & IEEE 802.3ad with LACP Max. Group: 13 Max. Ports/Group: 16 <p>IGMP Snooping:</p>

	<p>IGMP Snooping v1/v2/v3 IPv6 MLD Snooping v1/v2 Queries support/ IGMP Filtering, IGMP Leave Proxy, Immediate Leave Storm Control: Broadcast/ Multi-cast/ Un-known Unicast Jumbo Frame Support: 9.6KB</p>
QoS Features	<p>Number of Priority queue: 8 queues/ port Scheduling for priority queue : WRR/Strict Priority scheduling/Hybrid CoS : 802.1p/ IP Precedence/ IP TOS Precedence IP DSCP/ Port based Priority Rate Limiting: Ingress/Egress: 1Kbps/ 1pps granularity DiffServ (RFC2474) remarking</p>
Security	<p>User Name / Password Protection User Privilege: up to 15 levels IEEE 802.1x: Port-based Access Control IP Source Guard MAC Based Authentication Web-based Authentication HTTPS SSHv2 RADIUS: Authentication/ Accounting TACACS+: Authentication ACL (Access control list)</p>
Management	<p>Command Line Interface (CLI) Web Based Management Telnet Access Management Filtering: SNMP/WEB/SSH/TELNET SNMP: v1/v2c/v3 RMON: RMON (1,2,3, & 9 groups) DHCP: Client/ Relay/ Option82/ Snooping Event/Error Log Software Download/ Upgrade: HTTP Configuration Download / Upload sFlow Port Mirroring: One to One/ Many to One Remote Ping NTP/LLDP UPnP EEE Configuration Cable Diagnostics IPv6 Configuration</p>
Mechanical	<p>Dimension(H*W*D) : 44*440*331mm Weight : 4.8 kg</p>
Operating Temperature	0~40°C
Humidity	5~90% (non-condensing)
Certification	CE, FCC Class A, VCCI, UL 69050-1