PFN-7482VM

- 48-Port Gigabit Copper + 2 10 Gigabit SFP+ Ports
- 802.3az Energy Efficient Ethernet
- 136G Non-Blocking Switching Capability
- Layer 2+ Full Managed Software Features
- 4K VLAN, 8 queues QoS, Advanced VLANs
- MSTP, LACP, LLDP, sFlow,
- 802.1X, RADIUS, TACAS+, ACL
- IPv6, IPv4/v6 Multicast Filtering

48-Port 10/100/1000Base-T + 2 10 Gigabit SFP+ Ports

Layer 2+ Full Management High Power PoE Switch

Introduction

The switch is 48-port 10/100/1000Base-T + 2 10 Gigabit SFP+ Ports Rack-mount L2+ Full Management Network Switch that is designed for medium or large network environment to strengthen its network connection. The switch supports 136G non-blocking switch fabric, the 48 gigabit ports and 2 uplink 10G ports can transmit and receive data traffic without any lost. The EEE feature reduces the power consumption when there is no traffic forwarding even port is still connected. The switch also supports Layer 2+ full management software features. These features are powerful to provide network control, management, monitor and security feature requests. Including rack-mount brackets, the 19" size fits into your rack environment. It is a superb choice to boost your network with better performance and efficiency.

2 10 Gigabit SFP+ Open Slots

The switch equips with 2 10G SFP+ open slots as the uplink ports, the 10G uplink design provides an excellent solution for expanding your network from 1G to 10G. By 10G speed, this product provides high flexibility and high bandwidth connectivity to another 10G switch or the Servers, Workstations and other attached devices which support 10G interfaces. The user can also aggregate the 10G ports as Trunk group to enlarge the bandwidth.

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…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, and etc.

Technical Specifications

Standard	Ethernet: IEEE 802.3, 802.3u, 802.3ab, 802.3ae IEEE 802.3az Energy Efficient Ethernet (EEE) 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
Interface	Number of Port: 50 10/100/1000Base RJ-45 Port : 48, Auto-negotiation, Auto MDI/MDIX 10G SFP+ : 2
Performance	**Switching Capacity:** 136G bps **MAC Address Table Size:** 64K **Forwarding Rate:** 10G port – 14,880,000pps 1000Mbps port - 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps **Packet Buffer:** 64Mb
L2 Features	**Flow Control:** 802.3x (Full-duplex)ort/ Back-Pressure (Half-duplex) **Spanning Tree:** IEEE 802.1D-2004(Includes IEEE 802.1w): Rapid Spanning Tree Protocol 802.1s Multiple Spanning Tree Protocol **Loop Detection** **VLAN:** IEEE 802.1Q Tagged Based, Max. VLAN Group: 4K QinQ Port-based VLAN Voice VLAN Private VLAN MVR MAC-Based VLAN Protocol-Based VAN **Link Aggregation:** IEEE 802.3ad with LACP: 26 trunks/ up to 8 port per trunk Static Trunk: 26 trunks/ up to 8 port per trunk Max. Group:26 Max. Ports/Group:8 **IGMP Snooping:** 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:** 10K
PoE Features	**802.3af/at Compliant** **Max. Power Output Per Port:** 30W **Power Consumption :** 400W Current Sharing **Internal Power:** Built-in Power Supply

	PD Classification **Power Management:** Enable/Disable per-port Priority Setting per-port Overloading Protection per-port Power Level Setting per-port
QoS Features	**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**
Security	**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)**
Management	**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:** Local Flash/ Remote Server **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**
Power Input	100~240VAC
Mechanical	**Dimension mm(H*W*D) :** 44*440*331 **Weight :** 4.97 kg
Operating Temperature	0~40℃
Humidity	5~90% (non-condensing)