

DH-PFS5424-24T

DH-PFS5424-24T (L2+ Managed Switch)



Product Overview

DH-PFS5424-24T is a type of managed switch with layer 2+, which adopts 128G back panel design structure and realizes many functions such as route, port mirroring, port isolation, ARP binding, spanning tree, VLAN, ACL, DHCP snooping, multicast, link aggregation and etc. It is the best choice in small and medium-sized enterprises.

Features

■ Powerful Processing Capacity

Based on VCore-III MIPS-based CPU powerful, stable processing capacity;
DH-PFS5424-24T provides exchange capacity up to 350Gbps, port full linear filter forward 35.7Mpps;
Guarantee large flow data forward of backbone network without block.

■ Perfect Security Control Strategy

Support user IP+MAC address certification based on port, 802.1X certification based on port, remote Radius、NAS certifications;
Support IP ACL、MAC ACL、Vlan ACL、support ACL function based on the third, fourth layer, effectively defend ARP attack and virus;
Support perfect storm control function, able to realize suppression over broadcast, multicast and unicast storm;
Support specific ARP intrusion detection function; effectively prevent increasingly popular "ARP cheat attack" implemented by hacker or attacker via ARP message;
Support IP Source Guard features; prevent illegal address counterfeit including MAC cheat, IP cheat, MAC/IP cheat and Dos attack brought by large flow address counterfeit.
Provide DHCP snooping function, it can realize to snoop the MAC address, IP address and various information of access users via creating and maintaining DHCP Snooping binding table, which has solved the IP and port tracking of DHCP users.

■ Perfect Reliability Protection Mechanism

It can implement flow classification and speed limit upon the packet which is sent to CPU via CPU protection strategy, which is to avoid illegal packet causing resource consumption upon CPU;
Support several spanning tree protocols such as STP, RSTP, MSTP and etc, which can realize fast convergence and improve fault-tolerant capability;
Support industrial ERPS spanning protocol, whose convergence time is within millisecond, which guarantees no interruption for services. Besides, the protocol is simple and reliable,

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which makes it greatly convenient for users to manage and plan network;

■ Convenient Management and Maintenance

It can implement simple and convenient operation upon various functions of the switch via easy visual WEB interface (support http and https protocol);

Support SNMP protocol to configure management for the device, provide convenience about centralized device management for small and medium-sized enterprises;

Support CLI configuration, manage via Telnet and Console port, which is suitable for professional network managers;

Support SSH2.0 and other encryption modes, make management much safer;

Support PDP, LLDP protocol, which make network management much simpler;

Support NTP clock protocol, which can sync network time automatically;

Technical Specifications

| Model | DH-PFS5424-24T |
|------------------------|------------------------------------|
| Interfaces | 10/100/1000BASE-T port x 20 |
| | Combo 1000BASE-T/SFP port x 4 |
| Management Ports | One Console port |
| Reset Button | One Restore Factory Default Button |
| Switching Capacity | 350Gbps |
| Packet Forwarding Rate | 35.7Mpps |
| Working Temperature | -10~55°C |
| Storage Temperature | -40~70°C |
| Operating Humidity | 5%~95% Non-condensing |
| Dimensions | 440(L)×285(W)×44.5(H)mm |
| Weight | <5Kg |
| Input Voltage | AC: 110~240V/50~60Hz |
| Power Consumption | <50W |

Service Characteristics

| Model | DH-PFS5424-24T |
|-------------------|--|
| Protocol Standard | IEEE 802.3ad, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3az, |
| MAC Table | 32K |
| VLAN | 4K |
| | Port-based VLAN |
| | 802.1Q Standard VLAN |
| | MAC-based VLAN |
| | Protocol-based VLAN |

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| | |
|------------------------|---|
| Spanning Tree | STP |
| | RSTP |
| | MSTP |
| Loop Protection | ERPS |
| Loopback Detection | Support |
| port Aggregation | Up to 14 aggregation groups, and up to 8 GE ports for each group; |
| | LACP; Manual aggregation |
| Mirroring | Support many-to-one port mirroring, no limit for the quantity of mirroring source port; |
| Flow Control | Support half-duplex based on back pressure type control; |
| | Support full duplex based on PAUSE frame; |
| Port Speed Limit | Support |
| IP Routing | Static Routing |
| Multicast | IGMP Snooping |
| | MVR (Multicast VLAN Registration) |
| DHCP | DHCP Client; |
| | DHCP Server; |
| | DHCP Snooping; |
| Storm Suppression | Support suppression upon broadcast, multicast, unicast |
| Security Features | Hardware supports IP ACL, MAC ACL, VLAN ACL; |
| | Hardware supports IP+MAC binding based on port; |
| | Support IP Source Guard |
| | Support ARP Detection |
| | Support IEEE802.1x port authentication |
| | Support Radius authentication |
| System Maintenance | Support the user classification management, and password protection |
| | Support the configuration file upload/download |
| | Support the updated packet upload |
| | Restore default configuration via WEB |
| | Support system logs |
| Network Management | PING |
| | WEB(http and https protocol) |
| | CLI |
| | Telnet |
| | SSH 2.0 |
| | SNMP |
| | RMON |
| | LLDP |
| Support the NTP client | |

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Accessories

| Model | |
|---------|--|
| PFT3950 | 1.25G 850nm,500m,LC, Multi-mode |
| PFT3960 | 1.25G 1310/1550nm,20km,LC, Single-mode |
| PFT3970 | 1.25G 1550/1310nm,20km,LC, Single-mode |

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*Design and specifications are subject to change without notice.

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