DH-PFS6428-24T（L3 Managed Switch）

Product Overview

DH-PFS6428-24T is a type of managed switch with layer 3, which adopts the industry-leading Broadcom 10G switching chip. The switch is equipped with advanced hardware processing ability and abundant function features. The product has four SFP+ ports, which can satisfy the network requirement of high-speed 10G development. DH-PFS6428-24T adopts 392G back panel design structure and realizes many functions such as route, port mirroring, port isolation, ARP binding, spanning tree, VLAN, ACL, DHCP snooping, multicast and link aggregation etc.

Product Appearance

DH-PFS6428-24T

- 10/100/1000BASE-T port x 24

- SFP+/SFP port x 4

Product Features

- **Rich interface type, flexible port extension**

  DH-PFS6428-24T owns four SFP+ ports, which can satisfy the network requirement of high-speed 10G development.

- **Powerful Processing Capacity**

  DH-PFS6428-24T provides exchange capacity up to 392Gbps, port full linear filter forward 96Mpps;

  Guarantee large flow data forward of backbone network without block.

- **Perfect Security Control Strategy**

  The security application scene for switch has to meet higher performance requirements. DH-PFS6428-24T not only supports three-layer routing functions, also owns a certain security protection strategy, such as IP source protection, port isolation, ARP inspection and ACL control list etc.

  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.

  Support user IP+MAC address certification based on port, 802.1X certification based on port, remote Radius.

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

Support virtual router redundancy protocol VRRP

■ **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 NTP clock protocol, which can sync network time automatically;

Product Specifications

Model	DH-PFS6428-24T
Interfaces	10/100/1000BASE-T port x 24
	10GE SFP+/GE SFP port x 4
Management Ports	One Console port
Reset Button	One Restore Factory Default Button
Switching Capacity	392Gbps
Packet Forwarding Rate	96Mpps
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	<6Kg
Input Voltage	AC：110～240V/50～60Hz　　(Dual power)
Power Consumption	<50W

Service Characteristics

Model	DH-PFS6428-24T
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
Spanning Tree	STP
	RSTP
	MSTP
port Aggregation	Up to 14 aggregation groups, and up to 16 GE ports for each group;
	LACP; Manual aggregation
Mirroring	Support many-to-one port mirroring, no limit for the quantity of mirroring source port;
	Support 4 mirroring groups
Loop Protection	ERPS
Flow Control	Support half-duplex based on back pressure type control;
	Support full duplex based on PAUSE frame;
Port Speed Limit	Support input/output bandwidth management based on port
Redundancy backup	VRRP
IP Routing	Static Routing
	RIP、OSPF、BGP
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
	Support the user classification management, and password protection
QOS	SP（Strict Priority）
	WRR (Weighted Round Robin)
	802.1p
System Maintenance	Support the configuration file upload/download
	Support the updated packet upload
	Restore default configuration via WEB
	Support system logs
	PING
Network Management	WEB(http and https protocol)
	CLI
	Telnet
	SSH 2.0
	SNMP
	Support the NTP client

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