DH-PFS5424-24T

24-port Full Gigabit Multilayer Switch

Features

- Based on a new generation BROADCOM high performance switch IC
- Full gigabit fiber port and RJ 45 port
- No fan design, support natural thermal dissipation
- Support powerful ACL strategy function
- Support QINQ, satisfy the requirement of VLAN flexible deployment
- The product owns SNMP,WEB,TELENET, CLI and other abundant management modes
- Meanwhile it has QOS,RSET\MSTP,GMP and other functions
- Prevent APR,RADIUS certification, 802.1X certification and other functions, make network safer
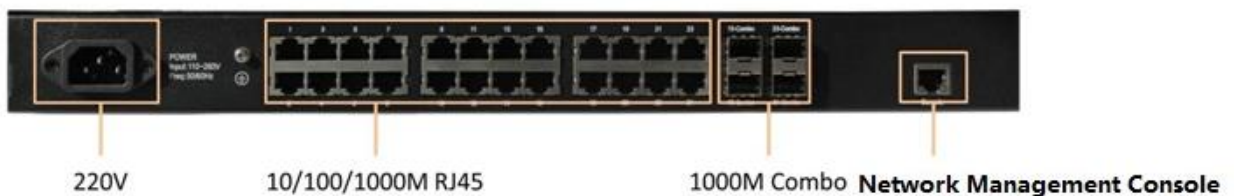
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Specifications

Model	DH-PFS5424-24T
Product Modality & Performance	
RJ45 port	24*10/100/1000Mbps self-adaptive RJ45 port
Fiber port	Four 1000Mbps SFP fiber ports (COMBO)
Backplane bandwidth	128Gbps
Packet forward rate	35.7Mpps
MAC entry	8K
VLAN entry	4K
Technical Specifications	
STP	IEEE802.1d(STP)；IEEE802.1w(RSTP)；IEEE802.1s(MSTP)
QoS	Each port has four queues, support Qos with port priority based on 4802.1p, DiffServ and MAC, support WRR/SP and other scheduling modes
ACL	Support standard IP, extended IP, extended MAC and ARP ACL, support IP ACL, MAC ACL, IP-MAC ACL, ARP ACL, support based on source/destination IP address, source/destination MAC address, IP protocol type, TCP/UDP port number, IP Precendence, ToS and so on to filter data.
Enhance security feature	Support access control of application flow with complicated features (max 80 bytes). Monitor attack behavior and take measures to prevent attack, illegal multicast source and controlled multicast.
Enhance ARP security function	Support prevent ARP cheating and scanning
Trunk	8 groups of Trunk, able to support 8 port aggregation
Multicast	IGMP Snooping, static multicast
CPU protection	Support
Bandwidth management	Support rate limit of port input and output,basic rate:64Kbps,step：64Kbps
MAC operation	Support port/MAC auto binding, support MAC filtering
VLAN type	Based on port/802.1Q protocol, support GVRP, support PVLAN, support QinQ technology
Flow control	Support HOL prevent first packet blocking, half-duplex backpressure, full duplex IEEE802.3x
ARP	Support dynamic ARP, static ARP, ARP binding and so on
DHCP	Support Client/BOOTP /Relay/Server
Port aggregation	Support LACP, support 802.3ad, support load balancing
IEEE802.1x	Support 802.1x which is based on port and MAC address, realize flexible binding for user account, password, IP, MAC, VLAN, port and switch, improve security.

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Certification	Support RADIUS
Port mirroring	Support
Broadcast storm control	Support, able to set allow broadcast, multicast and rate limit of DLF, the restrain threshold of broadcast data packet is 0～10Mbps
Network management	
Management interface	CLI(Console/Telnet), SNMP, WEB, Telnet,SSH
System log	Support
Configuration management classification	Support
RMON	1,2,3,9 four groups
MIB port	Provided
Security IP	Support secure network management function
SNTP	Support
BOOTP	Support
Product technical protocol	
Layer two protocol specifications	IEEE802.1s，IEEE802.3，IEEE802.3u，IEEE802.3x，IEEE802.3z,IEEE802..3ab，IEEE802.3ad，IEEE802.1p，IEEE802.1q，RFC 783，RFC 906,RFC 951,RFC 1350，RFC 791，RFC 792，RFC 826，RFC 854~RFC 859，RFC 1157，RFC 1213，RFC 1493，RFC 1757，RFC 1112
Electrical index	
Lightning protection index	AC power port:difference mode +/-2kV，common mode +/-4kV；service port: common mode +/-6kV
Physical dimension (width length depth)	440mm×300mm×44mm
Fanless design	Support natural thermal dissipation
Relative humidity	10% - 90% no condensation
Operating temperature	-25℃ -55℃
Power	AC100V - 240V, 50-60Hz
Power consumption	＜25W

220V　　　10/100/1000M RJ45　　　1000M Combo　**Network Management Console**

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SFP Optical Module

Model	Specification
PFT3950	SFP; 1.25G; 850nm; 550m; -40℃~85℃; 3.3V; LC Multi-mode Fiber
PFT3960	BIDI SFP; 1.25G; TX 1310nm,RX 1550nm; 20km; -40℃~85℃; 3.3V; LC Single-mode Fiber
PFT3970	BIDI SFP; 1.25G; TX 1550nm,RX 1310nm; 20km; -40℃~85℃; 3.3V; LC Single-mode Fiber

Application
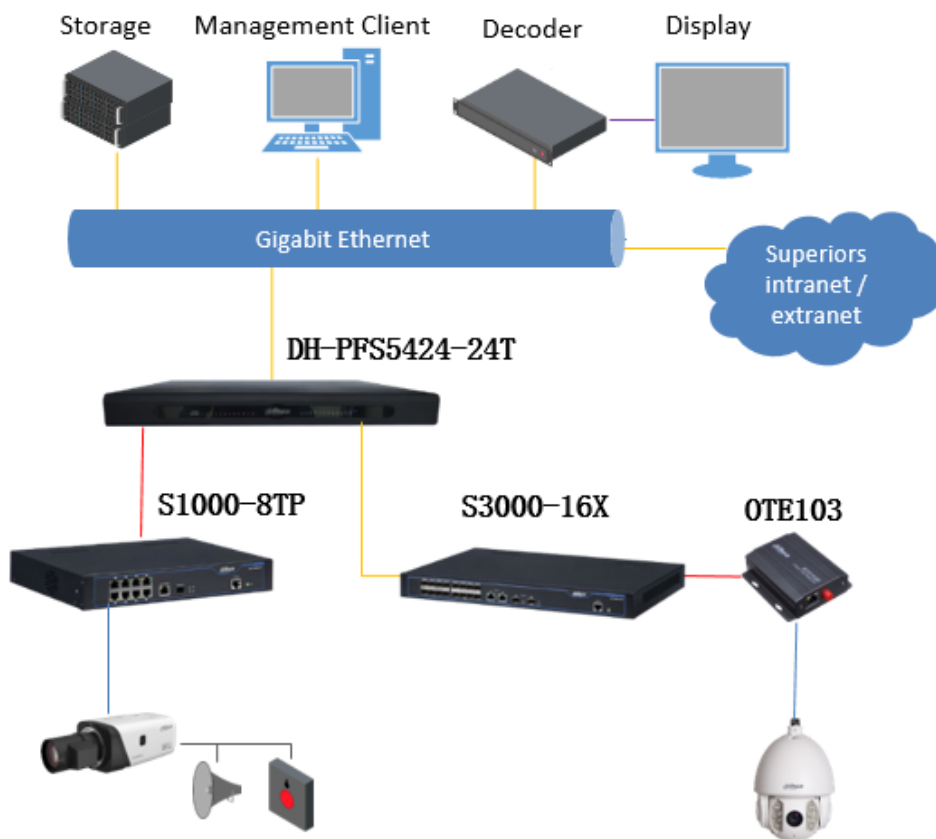
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*Design and specifications are subject to change without notice.