DF5700-24G-4TF

24 10/100/1000M self-adaptive port

24 Port 10 Gigabit Managed Network Switch

Product Profile

DF5700-24G-4TF is 24 port managed intelligent network switch designed for security. It provides 24 10/100/1000M self-adaptive ports, 4 10 Gigabit SFP ports, to gather and core data exchange to provide enough bandwidth. User can choose a suitable 10 Gigabit port depending on their requirements. Powerful software function can achieve a variety of business, such as port mirroring, Port VLAN, multicast, VLAN, link aggregation, spanning tree and so on. High bandwidth for hd video monitoring provide high reliability. Its characters are high bandwidth, low delay, simple network management, high-performance. It is the best product for cybercafe, company, school and intelligence community with the video monitoring application

Features

- Switch Managed Layer 3 OSI Model   6.10.2.1

- Support auto MDI/MDIX;

- Support Store and forward exchange mechanism

- Built-in 3 fans for heat dissipation, to increase equipment performance

- 24 port 10/100/1000Mbps   6.10.2.2

- Support RIP V1/V2

- 4 (SFP/SFP+) port

- Support up to 16K mac address

- Support IEEE802.1x flow control

- Support IPV6

- Support Web Browser Configuration System   6.10.2.4

- Energy saving when port disconnects

6.10.2.3

Specification

Network port	24 10/100/1000Mbps RJ45 port (port1~port24) 1/10Gbps x4 (SFP/SFP+) port
Flash	16MB
SRAM	256MB
Bandwidth	36Gbps
Packet Forward Rate	128Gbps
Jumbo frame size	10K
Transmission rate	95.2Mpps
Mac Adress Table	16K 6.10.2.4
Transmission method	store and forward
Network protocol and standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-TX IEEE 802.3x Flow Control
Bandwidth Performance	Network latency (100 to 100Mbps): Max 20 microseconds; Network latency (1000 to 1000Mbps): Max 10 microseconds Frame filtering and transmission rate 10M: 14,800pps 100M: 148,809pps 1000M: 148,8019pps
LEDs indicator	Power indicator SYS LINK/ACT indicator
Power	12V/2.1A
Dimensions	Size (LxWxH):440mm×320mm×44mm Unit weight: 4.0kg
Environment	Working temperature: 0°~55°C Operating Humidity:10%~90%(Non-condensing)
EMC	CE Class B FCC Part 15， Class B VCCI Class B C-Tick
Certifications	CE/ROHS/FCC

Software Specification

Port Management (Ports)

- Enables / disables the port / - Speed, duplex, MTU settings

- flow-control / - Port Information View

Port mirroring

- Support port access direction

Port speed limit

- Supports port speed limit, speed-granularity determined by the chip

Port isolation

- Support port isolation settings

Storm suppression

- Supports unknown unicast, unknown multicast, broadcast storm suppression

Link aggregation

- Supports static manual aggregation

- Support LACP dynamic aggregation

VLAN

- Access / - Trunk / - Hybrid / - Translate

- Support port VLAN base on port, protocol, MAC

- Support GVRP dynamic VLAN registration / - Voice VLAN

MAC

- Support static add and delete / - MAC address learning limit

- Support dynamic aging time setting

Spanning Tree

- Support 802.1d (STP) / - Support 802.1w (RSTP) / - Support 802.1s (MSTP)

IGMP-snooping

- Support static add and delete / - Support v1/2/3 dynamic multicast listening

- Support Max 512 Group

DHCP

- DHCP Snooping

Ring network protection

- STP RSTP ERPS

SNMP

- Support V1 V2 V3

ACL

- Based on the source MAC address, destination MAC address, protocol type, source IP address, destination IP address, and L4 port number

- Time-range time range management

QOS

- Based on the source IP, destination IP, port number classification

- Support SP, WRR, DRR scheduling policy

LLDP

- Support LLDP link discovery protocol

User Settings

- Add / Remove Users

Log File

- User logon, operation, status, event log, Syslog

802.1x

- Support 802.1x port authentication (Radius, local)

Anti-attack

- DOS defense / - ARP binding (IP, MAC, PORT binding)

- Support CPU protection and limit the rate of sending packets to the CPU

Network diagnostics

- Support ping, telnet, trace

System Management

- Device reset, configuration save restore, upgrade management, time setting and so on

CLI

- Support serial port command line management

TELNET

- Support telnet remote management

WEB

- Support layer 2 OSI Model setting

L3

- Support Route Configuration, Interface Configuration ARP Configuration, VRRP Configuration, Static Configuration, RIPv1, RIPv2 Configuration, OSPF Configuration,