



SC-F5700-8G Manual

24 port 10G network switch



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Product Profile

SC-F5700-8G is 24 Gigabit managed intelligent network switch designed for security.with 24 Gigabit SFP port, 8 Gigabit self-adaptive port,4 ports 10 Gigabit SFP+ port,To gather and core data exchange to provide enough bandwidth.The user can according to their needs to choose a suitable 10 Gigabit port in a flexible response network requirements. Powerful software function can achieve a variety of business.Such as port mirroring,Port VLAN,multicast,VLAN,link aggregation,spanning tree,binding of ARP 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.

Key Features

- Provide 4 port 10 Gigabit expansion slot,the user can choose any of several ports flexible according to their own network requires
- All the ports provide second line speed exchange ability,ensure all ports non-blocking message forwarding
- Under the online speed,support support 9216 byte Jumbo Frame
- Support 12Mbits internal Shared storage
- Support 24 Gigabit SFP port
- Support 8 self-adaptive port, Support 10/100/1000M port speed ;
- Support base on IEEE 802.1Q port agreement , 32K MAC capacity , 4K VLAN ;
- Support STP、RSTP、MSTP spanning tree protocol
- Support IVL、SVL VLAN learning ;
- Support for multiple authentication strategy,User IP + MAC address authentication with port,Based on the port 802.1X authentication,long-distance Radius、NAS Authentication network to identify accurately without interference.
- Support IP ACL、MAC ACL、Vlan ACL,With effective defense function of ARP attack and virus
- It has the storm control function,To broadcast, multicast and unicast storm effectively suppressed
- Support up to 128Gbps bandwidth and Non-blocking line speed forward
- Support protection of the loop
- Full metal jacket, support for desktop and wall installation

Specification

Network Port	· 24 1000Mbps SFP port
	· 8 10/100/1000Mbps RJ45 port

	· 4 10Gigabit SFP+ port
NET MGT	· 1 Console
Performance	· Support store-and-forward · bandwidth : 128Gbps · Forward full speed filter 96Mpps
LEDs indicator	· Power · LINK/ACT · input power : 100-240V, 50/60Hz
Power	· Size (LxWxH) : 440mm×320mm×44mm
Dimensions	· Weight : 4.5 kg · Operating Temperature : 0°~40°C (32°~104°F)
Environment	· Storage Temperature : -40°C~70°C (-104°~158°F) · Operating Humidity : 10%~90% (Non-condensing) · Storage Humidity : 5%~90% (Non-condensing) · CE Class B
EMC	· FCC Part 15 , Class B · VCCI Class B · C-Tick · CE/LVD
Certifications	· 1 year
Warranty	

	IEEE802.3 ad : Link Aggregation Control Protocol(LACP)
	IEEE 802.3,10BASE-T ethernet ;
	IEEE 802.3u, Fast Ethernet standard ;
	IEEE 802.3ab, Gigabit Ethernet standard ;
	IEEE 802.3z, Gigabit Ethernet fiber-optic standard ;
	IEEE 802.3ae, 10G ethernet standard ;
	IEEE 802.3x, Full-duplex Ethernet data link layer flow control ;
	IEEE 802.3az, IEEE Energy efficient Ethernet standard;
	IEEE 802.1AB-2005, LLDP agreement ;
	IEEE 802.1D, STP agreement ;
	IEEE 802.1q, VLAN standard ;
Standard support agreement	IEEE 802.1p, QoS/CoS quality of service ;
MAC address	Support 32K MAC address table; Support automatic updates, two-way learning;
VLAN	Support maximum 4096 VLAN ; Support based on the port VLAN ; Support 802.1Q mark VLAN ;
Spanning tree	Support STP, RSTP, MSTP
Trunk	Support 10 Gigabit port trunk , static port trunk
Port Mirroring	Support base on VLAN and VCAP match the image;
Port flow control	Back pressure for half duplex Support full duplex base on PAUSE frame ;

Port speed limit	Support the input and output bandwidth management based on port;
Multicast control	Support IGMP Snooping;
Broadcasting storms relieving	Support for broadcast,multicast,unicast restrain
Safety	Support 8 base on TCP/UDPport number 、 DSCP value、 VLAN shared identity range check Based on the port and the MAC address of channel control
DHCP	Support DHCP Client; Support DHCP Snooping;

Indicator Description

Indicator	Introductions	Normal State	Abnormal and Process
POWER	POW Indicators	Yellow Light ON	If light off, pls check whether the external power supply plug powered normal and the power adaptor connect correctly.
Link	Connection instructions	Green Light ON	If light off , Please check whether the corresponding network port access network equipment、 whether the network cable connect correctly and network device is damaged.
ACT	Connection instructions	Green Light flicker	If light not flicker,Please check whether the corresponding network port access network equipment,whether the network cable connect correctly ,whether network cable and network device is damaged.
10G	Connection instructions	Green Light ON	If light off , Please check whether the interface corresponding to the access network equipment、 whether the optical module and network device is damaged.

Application Suggestion

1. In order to safety , pls non-professionals don't open the casing of product ;
- 2.Pls be careful the risk of strong current and security protection when product is carrying on power ;
- 3.Pls select the right power adaptor provide power for network switch , before using pls confirm whether it is accord with the requirement of PoE switch ;
- 4.Pls don't use network switch under the humid environment , avoiding water go into the product inside caused network switch breakdown.
- 5.Pls start the power after the circuit connected
- 6.Pls don't plug-in and plug-out the connection cable when product is carrying on power
- 7.Pls don't use network switch under somewhere with more dust and EME;Don't use switches in high temperature and unventilated place
- 8.Pls don't put heavy thing on PoE switch , in case of happening an accident.
- 9.Suggestion that network switch use for indoor , if you want to use for outdoor, pls install waterproof box.