

FSW-948C-6SFP+

Switches/routers



This Layer 3 switch, due to its advanced performance, aggregation capability, flexibility and scalability, is suitable as a star center for multi-service networks.

With support for multicast protocol (IGMP or routing multicast), it enables IPTV traffic, HD video surveillance, and HD video streaming.

The 48 GE ports allow the connection of multiple services, servers, controllers, etc.

The 6 SFP+ ports at 10GE allow stack or uplink with other switches in the same series.

Equipped with AC 220V hot-swap power supply and one slot for redundant power supply.



Technical Chars

- Layer 3
- 48 x 10/100/1000 GE ports
- 6 x 10GE/1GE SFP+ uplink ports
- 216Gbps backplane
- Forwarding rate 162Mpps
- QoS & QinQ
- Up to 4096 VLANs
- Multicast

FSW-948C-6SFP+		
Code		287764
LAN input		48 x 10/100/1000M auto-negotiation, 6 x 10GE/1GE SFP+
RJ45 console	RJ45	1
Backplane	Gbps	216
Forwarding rate	Mpps/64bytes	162
Fans		2
Noise@25°C	dBa	45
Forwarding mode		Store-forward
Flash memory	MB	16
DRAM memory	MB	512
MAC		32k
Buffer size	MB	2
VLAN Interface		1000
Routing table	RIB	12000
MTBF	h	>200000

Functions		
Management		Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON, TFTP, FTP, SFTP, NTP, SPAN, RSPAN, sFlow
Applications		<ul style="list-style-type: none"> Spanning Tree: 802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP), BPDU guard, root guard and loopback guard IPv4: static routing, RIP v1/v2, OSPF, BGP, PBR, ECMP, BFD for OSPF, BGP Routing table: IPv4 12k, IPv6 6k ARP table: IPv4 12k, IPv6 2k IPv6: ICMPv6, DHCPv6, ACLv6 and IPv6, Telnet, IPv6 neighbor discovery, Path MTU discovery, MLD V1/V2, MLD snooping, IPv6 Static Routing, RIPng, OSPFv3, BGP4+, Manual tunnel, ISATAP tunnel, 6 to 4 tunnel MPLS: Multi-VRF Reliability: Static/LACP link aggregation, Backup interface, BVSS virtual-stacking, EAPS and ERPS, URPF, LLDP, ISSU, VRRP, 1+1 power backup Jumbo frame: 9k Total output BTU (1000BTU/H=293W): 255.97
VLAN		4096 Active VLAN, QinQ & Selective QinQ, GVRP, Voice-VLAN
MULTICAST		Supports PIM-SM, PIM-DM, IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter
QoS		CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/ COS/ DSCP/ TOS based QoS, 802.1P/DSCP priority re-labeling, SP, WRR and "SP+WRR", Tail-Drop, WRED, flow monitoring and traffic shaping
DHCP		<ul style="list-style-type: none"> DHCP server/relay/client DHCP snooping/option82
Security		<ul style="list-style-type: none"> Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky DAI & IP source guard PPPoE+ IEEE 802.1x, AAA, Radius and BDTacacs+ L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood Broadcast/multicast/unknown unicast stormcontrol MD5, SHA-256, RSA-1024, AES256
Specifications		
Power supply voltage	Vdc/A	100-240 / 50-60
Current consumption	W	<75
Operating temperature	°C	0 to +50
Relative humidity	%	from 10 to 90 (without condensation)
Dimensions and packaging		
Pieces		1
EAN code		8016978108398
Packaging dimensions	mm	576 x 448 x 94
Product dimensions	mm	440 x 350 x 44
Packaging weight	kg	6.7
Weight	kg	5