FSW-924F-2XC

Switches/routers

This Layer 3 switch belongs to a new generation of full-10GE TOR switches, with high performance, aggregation capacity, flexibility and scalability, and is indicated as a star center for multi-service networks.

The support of the multicast protocol (via IGMP or multicast routing) allows smooth and optimized management of IPTV traffic, HD video surveillance and HD video streaming.

The 24 10G SFP+ fiber ports allow the connection of fiber backbones coming from secondary racks, OLTs, servers, controllers, central units, etc. to support the various services managed in the network.

The 4 100GE/40GE QSFP28 ports allow stack or uplink connection with other switches of the same series.

Equipped with hot-swap AC 220V redundant power supply.

Technical Chars

- Layer 3
- 24 ports SFP+ 10GE/GE
- 4 uplink ports 100GE/40GE QSFP28
- Backplane 800 Gbps
- Forwarding rate 600 Mpps
- QoS & QinQ
- Up to 4096 VLAN
- Multicast
- Dual power supply

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Code		287856
LAN input		24 x 10GE/GE SFP+, 4 x 100GE/40GE QSFP28
RJ45 console	RJ45	1
Backplane	Gbps	800
Forwarding rate	Mpps/64bytes	600
Fans		4
Noise@25°C	dBA	45
Forwarding mode		Store-forward
Flash memory	MB	64
DRAM memory	MB	1024
MAC		32k
VLAN Interface		1000
Routing table	RIB	16000
MTBF	h	>200.000

Functions

Management		CLI: Console, Telnet, SSHv1/2, Web-GUI: HTTP, HTTPS, SNMP v1/v2c/v3, RMON, TFTP, FTP, SFTP, NTP, SPAN, RSPAN
Applications		• 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 16k, IPv6 12k • ARP table: IPv4 10k, IPv6 10k • IPv6: ICMPv6, DHCPv6, ACLv6 and IPv6, Telnet, IPv6 neighbor discovery, Path MTU discovery, MLD snooping, IPv6 Static Routing, RIPng, OSPFv3, BGP4+, Manual tunnel, ISATAP tunnel, 6 to 4 tunnel • MPLS: Multi-VRF • Reliablity: Static/LACP link aggregation, Interface backup, BVSS virtual-stacking, EAPS and ERPS, URPF, LLDP, ISSU, VRRP, 1+1 power backup • Jumbo frame: 16k • Total output BTU (1000BTU/H=293W): 238,91
VLAN		4096 Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN
MULTICAST		Support 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		• DHCP Snooping and option 82, DAI & IP source guard, PPPoE+
Security		• Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky • IEEE 802.1x, 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	<70
Operating temperature	°C	0 to +50
Relative humidity	%	from 10 to 90 (without condensation)
Dimensions and packaging		
Packaging dimensions	mm	576 x 448 x 94
Product dimensions	mm	440 x 350 x 44
Packaging weight	kg	8.3
Weight	kg	7.1