FRACARRO

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 o 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
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		- 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 - Reliablity: 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		- DHCP server/relay/client - DHCP snooping/option82
Security		- 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		
Packaging dimensions	mm	576 x 448 x 94
Product dimensions	mm	440 x 350 x 44
Packaging weight	Kg	6.7
Weight	Kg	5