



SNS-MR3312-4C Switch

Gigabit Ethernet Layer 3 Switch; 12 ports 10/100/1000 Ethernet Routing Switch; 8 1000Base-X SFP ports and 4 Combo Gigabit ports - 1000FX SFP or built-in RJ45 10/100/1000BASE-T



SNS-MR3312-4C Product Overview

SNS-MR3312-4C switch is intelligent, multilayer and high performance Enterprise switch, designed for widespread applications such as education, government and large/medium enterprise networks. The SNS-MR3312-4C switch provides solid structure of enhanced security, quality of service (QoS), high availability and exceptional performance. The robust Layer 3 foundation, with enhanced security and rich features enabling high performance, high reliability and high availability for optical L3 Ethernet communications. Giga Ethernet L3 Gigabit Ethernet, interface flexibility with hardware forwarding, wire-speed performance and ASIC based ACL, ensure Enterprise and Internet Service Provider requirements.

SNS-MR3312-4C switch meet the requirements of Giga wire-speed forwarding and looking up table items. The embedded table items have strong scalability and can be deployed to simultaneously look up ACL and QoS items and realize multiple looking-up chains among user, service and specific protocol stacks. Through fast table-lookup technology, FPGA logic analysis and ASIC-based high-speed forwarding, SNS-MR3312-4C switch router is able to finish learning and converging of thousand OSPF routes in seconds.

With hardware based IP routing, SNS-MR3312-4C switch delivers flexibility routing protocol features along with practical propriety extensions allow easier deployment of network services.

Routing protocol such and RIP and OSPF provides dynamic routing by exchanging routing information with other L3 switches or routers. SNS-MR3312-4C switch is a safe investment when future protocols and features need to be deployed. SNS-MR3312-4C switch embody advanced networking solutions and provide high availability and multiple services over IP backbone networks. SNS-MR3312-4C provides widespread L2/3 features such as Private VLAN, IEEE 802.3ad (LACP) Link aggregation, L2/4 QoS features include 802.1p and DiffServ, port-based 802.1x, Access Control Lists, SSH security features, HTTPS/SSL, rate-limiting, WRR, strict scheduling, Unique SMTP function to send alerts to the administrator's email box. The SNS-MR3312-4C offers multiple security algorithms such as TACACS+, 802.1x, Port Security, Web management Encryption, SSL, RADIUS, Web management Encryption. The SNS-MR3312-4C offers variety of routing features include such as RIP, Static routing protocol and OSPF

Key Feature Highlights:

- Wire-speed and line-rate performance on all ports.
- Auto MDI/MDIX and Auto-sensing on all ports
- Four Combo ports -1000FX SFP or RJ45 10/100/1000T
- Enhanced Management features include WEB Management, Standard CLI, interface, SNMP, RMON, Telnet, Access control list, Standard CLI interface, SNMP, Syslog and SMTP (Logging to eMail)
- Full Layer 3 features including:
 - OSPF routing
 - RIP I and RIP II
 - IP Multicast Routing: IGMPv1/v2, DVMRP, PIM-DM/SM
 - IP Redundancy - VRRP supported
 - Routing at wire speed
 - ARP
 - Supernetting (CIDR)
 - Up to 4K IP address entries
 - DHCP client
 - Multi-netting