

SICOM6496

Layer 3 48G/96+8G Port Full Gigabit Managed Rack Mountable IEC61850 Backbone Switch



- Layer 3 Full Gigabit Backbone Solution
- Modular design, supports maximum 48 Gigabit ports or 96 10/100Base-TX ports + 8 Gigabit SFP slots
- RIP, OSPF, BGP layer 3 routing protocols
- DT-Ring protocols, MSTP and VRRP
- Patented heat dissipation technology



Overview

SICOM6496 is a modular layer 3 managed industrial Ethernet switch with 48 10/100/1000Base-T(X) ports or 48 Gigabit SFP slots specially designed for core backbone network. It supports layer 3 data full wire-speed forwarding and full duplex or half duplex flow control. And SICOM6496 also supports DT-Ring protocols and the recovery time is less than 50ms.

Features & Benefits

- Redundancy Technology: supports DT-Ring protocols (recovery time<50ms), MSTP and VRRP
- Multicast Protocol: supports IGMP, IGMP Snooping, PIM-SM, PIM-DM, DVMRP
- Routing Protocol: supports RIPv1/v2, OSPFv2, BGPv4 and static routing protocol
- Network Partition: supports VLAN, GVRP
- Service Quality: supports QoS
- Bandwidth Management: supports port trunking, port speed limit, broadcast storm control
- Network Management and Monitoring: supports CLI, Telnet, WEB management methods, Kyvision centralized management, SNMPv1/v2, RMON, LLDP, SNTP, DHCP
- Network Security: supports ACL
- Device Management: supports FTP/TFTP upgrade, also supports Syslog upload and download
- Device Maintenance: supports port mirroring
- Alarm Output: supports port and ring alarms

Technical Specifications

Standard

IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3ac, IEEE 802.3ad, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s

Protocols

DT-Ring, DT-Ring+, DT-VLAN, MSTP, VRRP;
 IGMP, IGMP Snooping, PIM-SM, PIM-DM, DVMRP; RIPv1/v2, OSPFv2, BGPv4;
 VLAN, GVRP;
 Telnet, HTTP, SNMPv1/v2, RMON, LLDP, BootP, SNTP, DHCP
 server/relay/client;
 ACL;
 FTP, TFTP, Syslog;
 ARP, QoS, LACP

Switch Properties

Priority Queues: 8
 Number of VLANs: 4K
 VLAN ID: 1-4094
 Number of Multicast Groups: 256
 Routing Table: 30K
 MAC Table: 16K
 Packet Buffer: 512Mbit
 Packet Forwarding Rate: 71.4Mpps
 Switching Delay: <5μs

Interface

2 slots for power modules
 2 slots for 3 types of 24-port or 52-port interface modules:
 1) Interface module with 4 combo 1000Base SFP slots or 10/100/1000Base-TX ports, and 20 10/100/1000Base-TX ports
 2) Interface module with 4 combo 1000Base SFP slots or 10/100/1000Base-TX ports, and 20 1000Base SFP slots
 3) Interface module with 4 1000Base SFP slots and 48 10/100Base-TX ports
 Console Port: RS232 (RJ45 connector)

