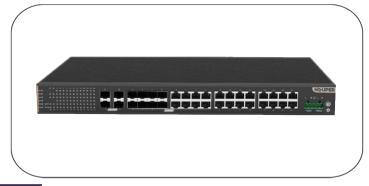● Model: HOP3440S1236-4TP

OverView:

HOP3440S1236-4TP is a multi-port, Layer 3 Industrial Managed Ethernet Switch, independently developed by Fiberroad for industrial ethernet applications. This product is equipped with 24*Gigabit Ethernet ports and 4*10Gigabit Ethernet Ports, supports Layer 3 routing functionality to facilitate the deployment of applications across networks, and adopts industry-leading technical standards and can provide stable and reliable Ethernet transmission with high-quality design and reliability.

Product Features:

● Layer 3 Model support OSPFv2, RIPv2, Static Route
● Support both IPv4/IPv6 applications
● Cache up to 12M for smooth transfer 4K video
● TACACS+, SNMPv3, IEEE 802.1X, HTTPS and SSH to enhance network security
● Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning
● Link Aggregation, STP/RSTP/MSTP/ERPS/VRRP for network redundancy
● ROMON for proactive and efficient network monitoring
● Fanless, IP40 Rating, -40 °C ~ 75°C operation temperature design to ensure that the equipment adapts to a variety of harsh environments
● Redundant dual DC/AC power supplies are optional, anti-reverse connection, overcurrent protection

Ethernet Interface:
Model:
● HOP3440S1236-4TP
Ports:
● 4×10Gigabit SFP plus
● 16×10/100/1000M Base-TX RJ45
● 8×10/100/1000M Base-TX or 8x1000M Base-X SFP Combo
Port Mode(Tx):
● Auto-Negotiation
● Full/Half Duplex Mode
● Auto MDI/MDI-X Connection
Standards:
● IEEE 802.3 for 10BaseT
● IEEE 802.3u for 100BaseT(X) and 100BaseFX
● IEEE 802.3ab for 1000BaseT(X)
● IEEE 802.3z for 1000BaseSX/LX/LHX/ZX
● IEEE 802.3ae for 10 Gigabit Ethernet
● IEEE 802.3x for flow control
● IEEE 802.1D-2004 for Spanning Tree Protocol
● IEEE 802.1w for Rapid Spanning Tree Protocol
● IEEE 802.1s for Multiple Spanning Tree Protocol
● IEEE 802.1p for Class of Service
● IEEE 802.1Q for VLAN Tagging
● IEEE 802.1X for authentication
● IEEE 802.3ad for Port Trunk with LACP
Packet Buffer Size:
● 12Mbits
Maximum Packet Length:
● Up to 10K
MAC Address Table:
● 16K
Transmission Mode:
● Store and Forward (full/half duplex mode)
Exchange Property:
● Delay time: < 7μs
● Backplane bandwidth: 128Gbps
IGMP Group:
● 4096
Max. No. of VLAN:
● 256
VLAN ID Range:
● VID 1 to 4094

● Model: HOP3440S1228-4TP

Power Supply:

Power Consumption: 24 Watts Max
Power Inputs: 2
Input Voltage: 9-56VDC/110-240VAC, Redundant dual inputs
Connector:
DC:1 removable 6-contact terminal blocks
Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for fault alarm
AC: 3 Pin AC Socket
Protection: Overload Current Protection, Reverse Polarity Protection

Physical Characteristics:

Housing:
● Aluminum case
IP Rating:
● IP40
Dimensions:
● 400mmx300mmx45mm
Installation:
● Rack Mount
Weight:
● 2800g

Environmental:

Operating Temperature:
● -40℃~75℃ (-40 to 167℉)
Operating Humidity:
● 5%~90% (non-condensing)
Storage Temperature:
● -40℃~85℃(-40 to 185℉)
MTBF:
● >250,000@Telcordia(Bellcore)GB
Heat Dissipation:
● 75 BTU/h
Cooling:
● Passive Cooling, Fanless Design
Noise Level:
● 0 dBA

● Model: HOP3440S1228-4TP

Software Features:

Management Interface:
● CLI(Console/Telnet(RFC854)), WebUI(HTTPS), SNMPv3
Management:
● ARP, Flow Control, DDM, DHCP Server/Client, IPv4/IPv6, LLDP, LLDP-MED, UDLD, Port Mirror, RMON, SNMPv1/v2c/v3, Syslog, Telnet,
File Management:
● Firmware Upgrade/Backup, Dual Images, Configuration Download/Backup, Multiple Configuration, TFTP(RFC783), HTTP, UART
Management Access:
● Management VLAN, Management ACL(256)
Filter:
● 802.1Q, GMRP, GVRP, IGMP Snooping v1/v2/v3, IGMP Querier V2/V3 Q ⅰ n Q
VLANRedundant Network:
● Link Aggregation, STP/RSTP/MSTP/ERPSv2, Auto Edge Port, BPDU Filtering, Self Loop Detection Routing Redundancy VRRP(Interface and IP Address)
VLAN:
● Support IEEE 802.1Q 4K VLAN, QINQ, Double VLAN, Voice LAN, Surveillance VLAN(Auto/Manual), Multicast VLAN Registration(MVR)
Time Management:
● Local, SNTP, NTP
Unicast Routing:
● OSPFv2, RIPv1/v2, Static Route
QOS:
● Support Queue Scheduling(WRR, WFQ, Strict Priority , Hybrid(WRR+SP or WFQ+SP); Priority Queue(8 queues/port); Class of Service(Port-based,802.1p, IP TOS Precedence, IP DSCP), Trusted QoS, Rate Limitation
ACL Type:
● L2/L3/L4, MAC-based, IPv4-based, IPv6-based
Diagnostic Maintenance:
● Support port mirroring, Syslog, Ping
Security:
● Broadcast Storm Control, HTTPS/SSLv2v3,TLSv1 RADIUS, TACACS+,AAA SSHv1/v2,Support DHCP Snooping, Option 43/82, 802.1X security access, Support user hierarchical management, ACL access control list, Support DOS, port-based MAC filtering/binding, MAC whitelist
MIB:
● Ethernet-like MIB, MIB-II, MIB-I, Bridge MIB, Bridge MIB extensions, RMON MIB(1,2,3 & 9 groups, RFC2737 Entity, RFC2863 Interface Group, SNMPCommunity-MIB