

MILITARY LAN SWITCH PE-108

8 port 10/ 100/ 1000 MB Smart Gigabit lan switch. MIL-STD 1275B /461C-D-E/810E Compliant

PE-108

Product Features:

3.8Gbps Switching capacity
Bandwidth Control down to 64k
Secure Management through SSH, SSL, TACACS+ Authentication, and RADIUS

Product Description:

PERYPHON® PE-108 is a high-performance Smart Gigabit managed Layer 2-3 switch and is an important part in tactical communication system for use with ground, airborne and seaborne service. The PE-108 has (8) 10/ 100 / 1000 Mbps Fast Gigabit Ethernet ports and MIL-STD 1275B /704A/461C-D-E/810E Compliant.

Advanced Layer 2 Switching:

With a 16 Gbps switch fabric, the PE-108 is a wire-speed, high performance switch. It includes support for Private VLANs (for isolating ports to protect privacy), and Guest VLANs (for temporary and limited access).

Guest VLANs are useful when migrating end users to an 802.1x environment when existing workstations do not yet support the 802.1x protocol, and for delivering limited services such as Internet access to unauthenticated and short-term users.

PE-108 can be used in conjunction with wireless Access Points to create a secure Hot Spot, allowing visitors to access special services or surf the Internet, completely isolated from sensitive internal network data.

By widely supporting IEEE approved specifications, the PE-108 leverages your existing investment in a multi-vendor environment, while maximizing compatibility of critical features like, Spanning Tree (802.1d/w/s), QoS (802.1p), Port mirroring, and network management.

PERYPHON's PE-108 has robust support for standards based network management protocols (SNMP/RMON/BOOTP/Telnet/Web and port mirroring) enabling the PE-108 to be easily integrated into many third-party network management packages.

Network Protocol and Standards Compatibility

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3z 1000BASE-X
IEEE 802.3x full-duplex flow control

Network Ports

8 10/100/1000 Mbps auto sensing Gigabit Ethernet

Performance Specifications

Forwarding modes: Store-and-forward
Bandwidth: 16 Gbps full duplex
Network latency: Less than 20 microseconds for 64-byte frames in store-and-forward mode for 100 Mbps to 100 Mbps transmission
Buffer memory: 128 KB embedded memory per unit
Address database size: 8,000 media access control (MAC) addresses per system
Addressing: 48-bit MAC address
LAN Connectors (10BASE-T, 100BASE-TX) - MIL-STD Compliant D38999 III 24W35SN
Power Connector - MIL-STD Compliant D38999 III 24W98PN
Power LED - MIL-STD Compliant "RED" color
Mean time between failure (MTBF): 165,000 hours (~18 years)
Mounting - Vertical/ Horizontal

Network Protocol and Standards:

TCP/IP, UDP, VoIP Full Compliant , IEEE - 802.3 Ethernet, 802.3u Fast Ethernet, 802.1D Spanning Tree, 802.1w Rapid Spanning Tree, 802.1s Multiple Spanning Tree, 802.1p Priority Tags (4 queues), 802.3ad Link Aggregation Control (8 ports per group/ 6 groups per device), 802.3x Flow Control, 802.1x (Port & MAC Based Network Access Control), 802.1Q VLANs (up to 256), Private VLANs, Guest VLANs

Physical and Environmental:

Dimensions - 248 x 145 x 71 mm
Weight - 2,0 kg
Temperature operation/storage, Vibration operation/storage, Humidity operation/storage - MIL-STD 810E Compliant

Administrative Switch Management

IEEE 802.1Q Static VLAN (256 groups, Static)
Port-based VLAN (8 groups)
IEEE 802.1p Class of Service (CoS)
Port-based QoS DSCP-based QoS
IEEE802.3ad Link Aggregation (manual or LACP)
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
SNMP v1, v2c
RFC 1213 MIB II
RFC 1643 Ethernet Interface MIB
RFC 1493 Bridge MIB
RMON group 1, 2, 3, 9
RFC 2131 DHCP client
IEEE 802.1x with Guest VLAN
Jumbo frame support
Port-based security by locked MAC addresses
Storm control for broadcast, multicast and unknown unicast packets
IGMP Snooping v1/v2
Port-based ingress & egress rate limiting
SNTP
Port Mirroring Support (Many to one)
Web-based configuration
Configuration Backup/Restore
Password Access Control
RADIUS Support
Syslog
Firmware upgradeable

Voltage operation:

9...36 VDC (24 V 0.35A) - MIL-STD 704A-D/ MIL-STD 1275A-B /MIL-STD 461C-D-E Compliant
Input power - 12 watt maximum



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