



ASEL SWITCH | MILS

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MILITARY TYPE ETHERNET SWITCH
DEVICES

#InformationTechnologies



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The aselSWITCH MILS ethernet switch product family offers high-performance and reliable network solutions designed to meet military infrastructure requirements.

The product family ranges from 8 to 48 ports, available in various sizes and capacities, with options for PoE and non-PoE configurations in military (mils) standards.

Known for ease of installation and operation, the product family excels in providing robust networking solutions.

Physical Properties

- Military type operating temp. ; -40°C +70°C (MIL-STD-810-G)
- Military type storage temp. ; -40°C +85°C (MIL-STD-810-G)
- Military type humidity; %95 @+40°C (MIL-STD-810-G)
- Military type IP protection; IP65
- Military type vibration, free fall, shock resistance (MIL-STD-810-G)
- Fanless cooling
- Military type EMI-EMC compatibility (MIL-STD-461-E)
- Safety (CE/EN 60950-1)
- Rack and DIN rail mounting compatibility

Power Supply

- Integrated AC/DC power supply
- IEEE802.3at and IEEE802.3af PoE/PoE+ power supply
- DC input :19-32 VDC
- AC input :110/220 VAC 50 Hz

Performance Features

- Wirespeed switching
- Non-blocking switching
- 16K MAC address table
- 8 different priority queuing
- 10 KByte jumbo frame
- Traffic shaping
- IPv4 and IPv6
- Working in mesh, star, ring, line, tree topologies and ETHERNET networks
- Ethernet ring redundancy

Protection

- High current protection
- High voltage/low voltage protection
- Thermal protection
- Fault protection critical alarm relay support

Physical Layer Protocols

- Flow control: Half duplex and full duplex
- IEEE 802.3i (10Base-T 10 MBit/s over TP)
- IEEE 802.3u (100 Base-X, 100Base-T4 100 MBit/s over TP)
- IEEE 802.3ab (1000Base-T 1 GBit/s over TP)
- IEEE 802.3z (1000Base-X 1 GBit/s over FO)
- SyncE (copper ports)

Data Link Layer Protocols

- LACP (IEEE 802.3ad)
- STP (IEEE 802.1d), MSTP (IEEE 802.1s), RSTP (IEEE 802.1w)
- VLAN (IEEE 802.1q), VLAN tagging/vlan trunking
- LLDP
- QoS policies, IEEE 802.1p, ToS
- IP DiffServ and ToS based QoS
- Strict priority and weighted fair queueing
- Port mirroring
- IP access security
- AVB
- MAC address based port security
- IGMP v3, IGMP snooping, MLD snooping

IP Layer Protocols

- IP access security
- Login security
- MAC address authentication (IEEE 802.1x)
- Static routing
- TWAMP

Application Layer Protocols

- DHCP (server, client, relay)
- SNMP (SNMPv1/v2/v3)
- RMON
- DNS
- SNTP
- PTP (IEEE 1588 v2)
- TFTP

Configuration Interfaces

- CLI
- Console interface
- USB
- TELNET
- SSHv1/2 support
- WEB management interface (https)
- Remote configuration backup and upload
- Remote software update with hash control
- TACACS+ support