



ASEL SWITCH | MILR

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MILITARY TYPE ROUTING DEVICES

#InformationTechnologies



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The aselSWITCH MilR router family consists of layer 3 network devices designed to meet IPv4/IPv6 communication needs at military standards, with routing capabilities ranging from 96Gbps to 300Gbps.

The product family ranges from 8 to 48 ports, available in various sizes and capacities. Known for ease of installation and operation, the product family excels in providing robust networking solutions.

General Properties

- 19-inch rack compatibility
- Ability to be powered from the city grid or an external AC energy source
- Fanless design
- IEEE 802.3at PoE/PoE+ support
- At least 4.5Mpps packet processing and routing performance for 64 Byte packets
- Wirespeed operation
- All kinds of network topologies (mesh, star, ring, line, tree etc.) can be created with the devices and there is no interruption or deficiency in the service to be provided in the system.
- IPv4 and IPv6 protocol support and STANAG 5067 compatibility
- Ease of management with SNMO
- Ability to configure from USB interface
- All ports on the devices can work non-blocking

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)
- Military type EMI-EMC compatibility (MIL-STD-461-E)
- Safety (CE/EN 60950-1)
- Max. operating altitude : 3000m

Remote Configuration Abilities

- SNMP v2, v3
- Web-based management (HTTP, HTTPS)
- RS232 serial console management
- Telnet, SSH

Device Interfaces

- Ethernet/sfp : 8 – 48 x 10/100/1000Base-T, 2 – 4 x SFP/SFP+, Auto-negotiation, Auto MDI/MDIX
- MNG : 1 x 10/100/1000Base-T ethernet management port
- USB : 1 x USB 3.0 interface
- CLI : 1 x 115.2Kbps console interface

Power Supply

- Supply : AC and DC, seamless automatic switching
- Input : 110 VAC / 220 VAC ± %10 50 Hz ± %5 / 60 Hz ± %5 : 19-32 VDC

Maintenance

- Built-in test - BIT (first boot test, user BIT, continuous BIT)

Supported Protocols

- Routing protocols : Static routing
RIP v1/v2
EIGRP
OSPF v2/v3
BGP
IS-IS
- Layer 2 VPN : L2TPv3
- Layer 3 VPN : GRE
MPLS
- Multicast (Igmppv3, mldv2, MSDP, PIM: SM, SSM, DM)
- QoS (Diffserv, STANAG 4711 and STANAG 4644 compatibility)
- Network security tools : IPSec
ACL
- Network manager tools : NAT
DHCPv4/v6
ICMPv4/v6
DNS
Port mirroring
NTP server and client
- Authorization tools : RADIUS
TACACS+