

RESMLAC-8US-CAPS - Unmanaged military Ethernet switch, MIL-DTL-38999 connectors 8 fast ports

Military ethernet switch for harsh environment - Fully MIL-STD compliant

Description

Amphenol's RESMLAC-8US-CAPS is a MIL-STD rugged, unmanaged-military-grade Ethernet switch, offering 8 Fast Ethernet 10/100 Ports.

Developed for military and harsh environment applications, the RESMLAC-8US-CAPS features mechanical packaging enhancements designed for MIL-STD-810F airborne and ground environmental compliance and high reliability. The unit has been especially hardened to improve ingress, impact, and shock/vibration protection, as well as eliminate all moving parts through passive cooling, and interface through sealed MIL-DTL-38999 circular connectors.

Leveraging best-in-class switching technology, the RESMLAC-8US-CAPS serves as a robust solution for providing local area network (LAN) connectivity to IP-enabled computing and net-centric devices. Compact in size, the RESMLAC-8US-CAPS is particularly useful for expanding port density in space-constrained airborne and ground vehicle environments.



Main features

ETHERNET PORTS

- 8 x switched 10/100 (Fast Ethernet) ports

NETWORKING

- Full wire-speed forwarding rate
- Store-and-forward mechanism
- Auto MDI-II, MDI-X
- Auto-negotiation protocol
- Address look-up

CONNECTORS

- MIL-DTL-38999 (Power & Ethernet signals)
- Power connector type: D38999/24WA98PA
- LAN connector type: D38999/24WA35SN

CHASSIS

- Low profile rugged aluminium extrusion
- Conductively cooled w/ custom internal heat-sinks
- Ingress protection against sand, dust and moisture
- Polyurethane Paint, Per MIL-C-83286 type II, matt texture

STANDARDS

- MIL-STD-1275,
- MIL-STD-704A
- MIL-STD-461E
- MIL-STD-810F GM
- IP67/68

VOLTAGE OPERATION

- 24VDC (18VDC – 32VDC)

MILITARY RUGGED SWITCH

MIL-STD-1275
MIL-STD-704A
MIL-STD-461E
MIL-STD-810F/GM
STANAG 4370
STANAG 2895

Ethernet Switch & Media Converter

Military Ethernet Switch for Harsh Environment

Military Ethernet Switch for Harsh Environment with Industrial EMI Compliance

Military Ethernet Switch for Harsh Environment with Industrial EMI Compliance



Military Ethernet Switch for Harsh Environment with Industrial EMI Compliance

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How to order

Part number	Description
Ethernet switches Part number	
RESMLAC-8US-CAPS	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, cadmium plated connectors, color dark green, no handles
RESMLAC-8US-CAPS-HND	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, cadmium plated connectors, color dark green, with handles
RESMLAC-8US-CAPS-SX	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, cadmium plated connectors, color black, no handles
RESMLAC-8US-CAPS-SX-HND	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, cadmium plated connectors, color black, with handles
RESMLAC-8US-CAPS-SX-ZN	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, Black Zinc Nickel plated connectors, color black, no handles ✓
RESMLAC-8US-CAPS-SX-ZN-HND	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, Black Zinc Nickel plated connectors, color black, with handles ✓
RESMLAC-8US-CAPS-SX-NI	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, Nickel plated connectors, color dark green, no handles ✓
RESMLAC-8US-CAPS-SX-NI-HND	MIL-STD Rugged Unmanaged Ethernet switch with 8 ports 10/100TX, Nickel plated connectors, color dark green, with handles ✓
Cable assemblies Part number	
RJSMLAC-8MG-CBL-PWR-2M-B4	Power cordset for RESMLAC-8US-CAPS, 1 side with TV06RW0998SA, 1 side with 4mm plugs for power supply, cable 2m long (DC voltage option)
RESMLAC-8US-CBL-LAN-TV-2M	LAN cordset for RESMLAC-8US-CAPS, valid for LAN 1 to 8, 1 side with TV06RW0935P plug, 1 side with RJ45 civilian, cable RJFSFTP5E cat 5E, 2m long (valid for all options)

For specific cable harnesses, please consult us.