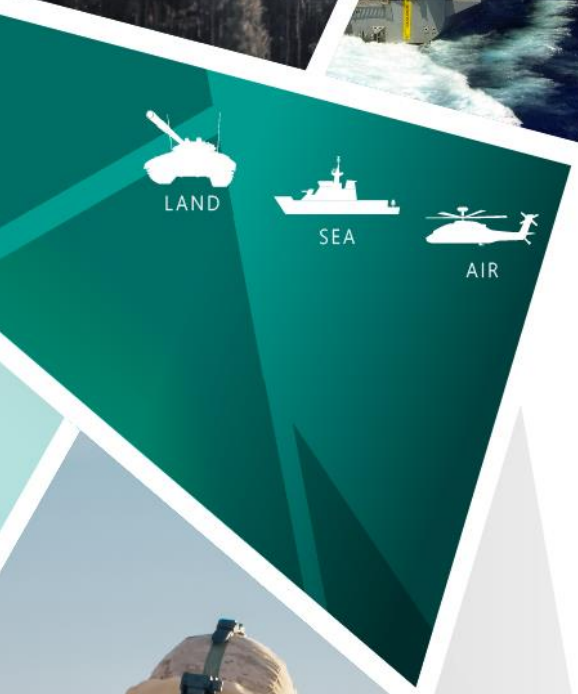


LINK200M

2U Military IP65 8 ports PoE Switch

MIL-STD 810

MIL-STD 461/1275

- Military 8 Ports IP65 PoE Switch
- 8 ports PoE 802.3 at (30W) Support
- Full Gigabit Switching and Ultra-High Throughput
- Various Configuration Paths, Including WebGUI, CLI, SNMP
- Layer 2 Management Features Include VLAN, QoS, IGMP Snooping, LACP/Trunk
- Enhanced Rapid Spanning Tree (RSTP) for Redundancy
- Traffic Management: Port classification, Port Policing, Port Scheduler, Port Shaping, QoS Control List, WRED, Port Security
- MIL-STD-810 Vibration Method 514.6: ◎Acceleration: 5.0 Grms
- MIL-STD-810 Vibration Method 514.6: ◎PSD: 0.01257 g2/Hz
- MIL-STD-810 Shock Method 516.6: ◎Wave Form: Half Shine Wave
- MIL-STD-810 Shock Method 516.6: ◎Acceleration: 20G

Introduction

The LINK200M is a 2U half rugged, military-grade IP65 PoE switch engineered for mission-critical deployments in extreme environments. Equipped with 8 Gigabit 802.3at/af PoE+ ports, it delivers up to 120W of total PoE power and is ideal for powering IP cameras, sensors, and communication devices in field operations or mobile command units. With a wide 24VDC input range and built-in power booster, it seamlessly supports industrial and vehicle-mounted applications. Meeting the strict MIL-STD-810 standards, the LINK200M ensures durability against vibration and shock, making it suitable for defense, transportation, and heavy-duty field use.

Designed for secure and efficient networking, the LINK200M features advanced Layer 2 management including VLAN, QoS, IGMP Snooping, LACP/Trunking, and robust redundancy via Enhanced RSTP. It also supports comprehensive access control through 802.1X/RADIUS, IP Security, and Port Security. Configuration flexibility is provided through WebGUI, CLI, and SNMP interfaces. Whether in armored vehicles, field-deployed systems, or remote infrastructure nodes, this switch delivers dependable performance with military-grade resilience and network intelligence.

(1) Management Features

- Various configuration paths, including WebGUI, CLI, SNMP
- Layer 2 management features include VLAN, QoS, IGMP Snooping, LACP/Trunk
- Enhanced Rapid Spanning Tree (RSTP) for Redundancy
- Traffic management: Port classification, Port policing, Port scheduler, Port shaping, QoS control list, WRED, Port Security
- LLDP topology control

(2) Extreme PoE Capability

- 8-port IEEE 802.3af/at compliant PoE+, up to 30W/port
- Complete PoE management including Power Budget Control and PoE Status

(3) Enhanced Cyber Security for Critical Applications

- 802.1X/RADIUS port-based access control
- IP Security/Port Security
- HTTPs/ Management IP secure access
- Management VLAN separate the control and data VLAN

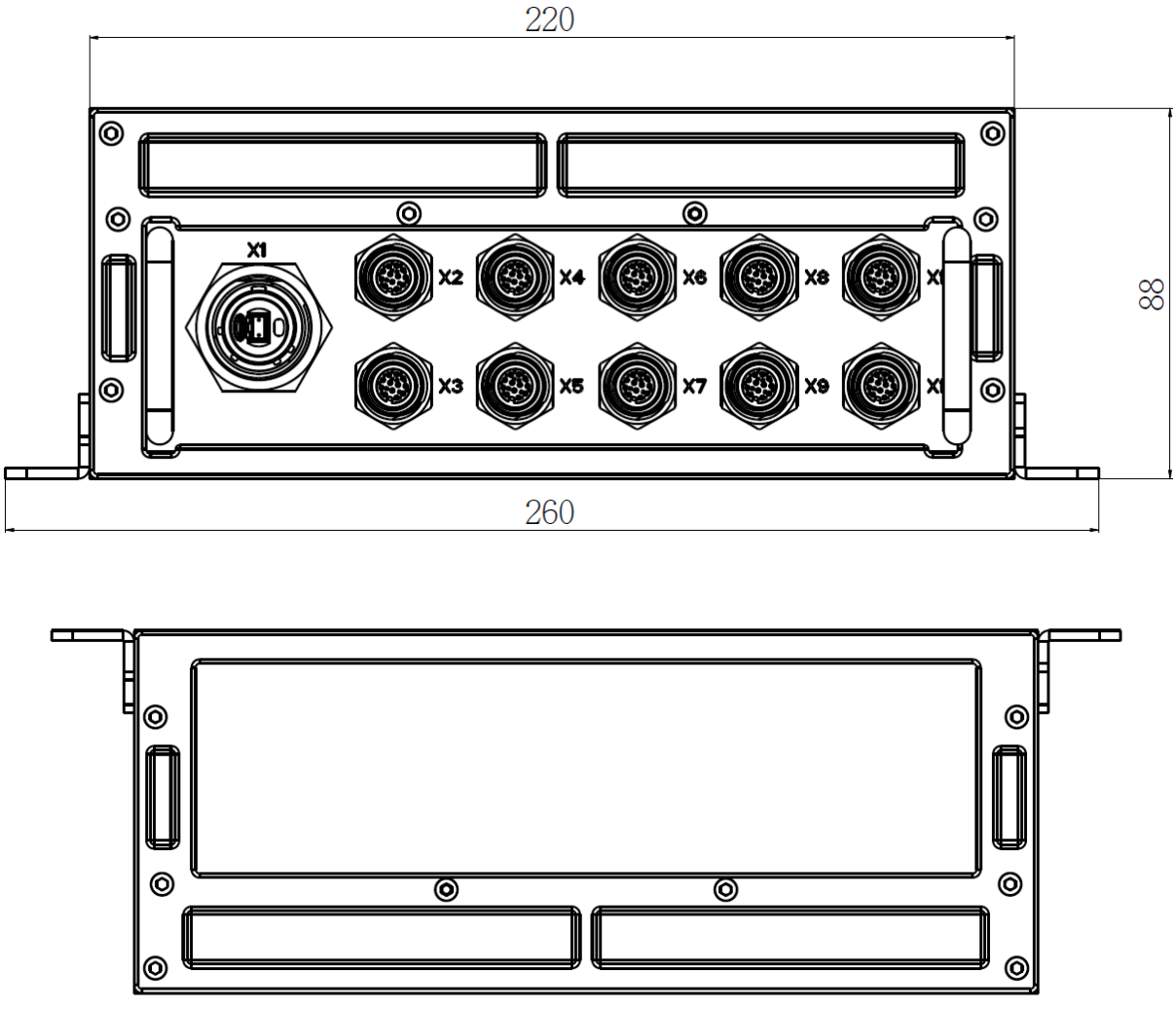
Specifications

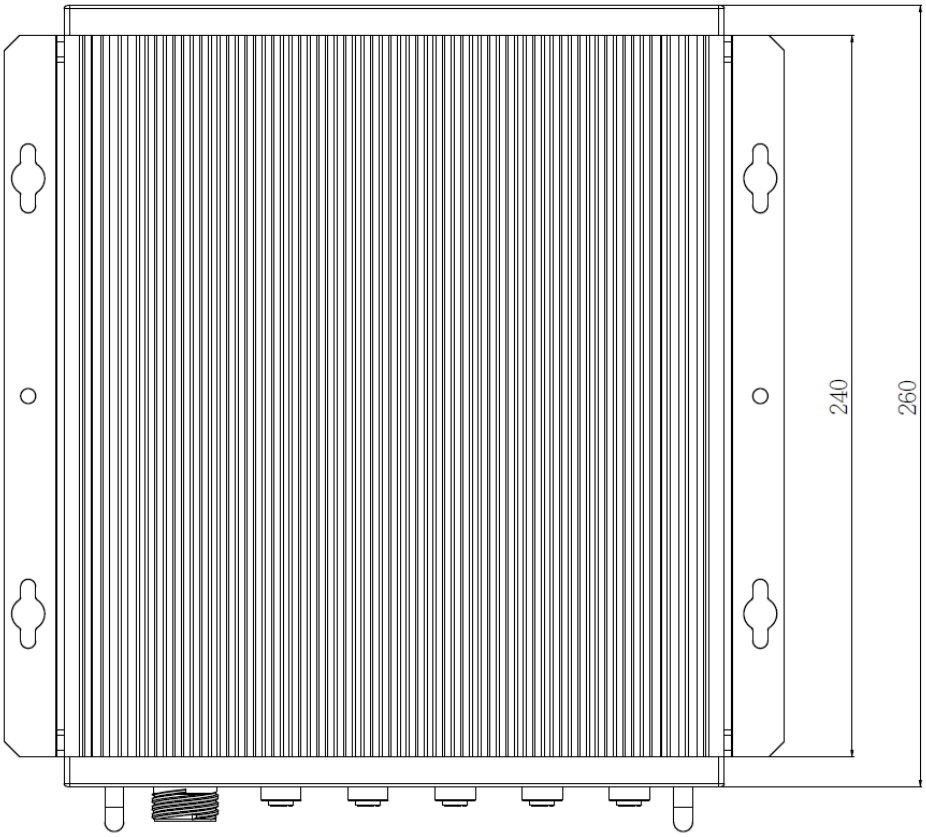
System	
Switch Technology	Store and Forward Technology with Non-Blocking Switch Fabric
Number of MAC Address	4K
Packet Buffer Memory	1.75M bits
Transfer performance	10Base-T: 14,880pps, 100Base-TX/FX: 148,800pps, 1000Base-TX/FX: 1,488,100pps
VLAN	4095 VLANs
Traffic Prioritize	8 Priority Queues Per Port
I/O Port	
Ethernet Port	8 x 100/1000Base-T with M12
Console	1 x RS232 with M12
Digital Input, Digital Output	1 x DI, 1 x DO with D38999
Power Input	1 x DC-IN with M12
Software	
Management	WebGUI, Command Line Interface (CLI), Telnet, SNMP
Network Management	IPv4 management, SNMP v1/v2c/v3/Trap, MIBs, LLDP, DHCP client, TFTP, System Log, NTP
Traffic Management	Flow Control, Port Trunk/802.3ad LACP, VLAN, Private VLAN, Shared VLAN, Rate Limiters, Port Mirror, IGMP Snooping v2, Port classification, Port policing, Port scheduler, Port shaping, QoS control list, Storm policing, WRED, Port Security, ACL, Loop Protection
Security	IEEE 802.1X/RADIUS, Management IP, Management VLAN, SSL
Redundancy	Rapid Spanning Tree Protocol/Spanning Tree Protocol (RSTP/STP)
Power Requirement	
Power Input	18V~36V DC
Mechanical	
Dimension (W x D x H)	250 x 250 x 105 mm
Weight	5kg (final weight is dependent on specific system configuration)
Chassis	Aluminum AL6061
Heatsink	Aluminum Alloy, Corrosion Resistant.

Finish	Anodic aluminum oxide.
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Ingress Protection	IP65
Environmental	
Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001/2000 Certified Quality Program.
Operating Temp.	-40 to 70°C (ambient with air flow)
Storage Temp.	-40 to 85°C
Relative Humidity	0% to 95%, non-condensing.
Supported IEEE Standards	
IEEE 802.3	10Base-T Ethernet
IEEE 802.3u	100Base-TX Fast Ethernet
IEEE 802.3u	100Base-FX Fast Ethernet Fiber
IEEE 802.3ab	1000Base-T Gigabit Ethernet Copper
IEEE 802.3z	Gigabit Ethernet Fiber
IEEE 802.3x	Flow Control and back-pressure
IEEE 802.1AB	Link Layer Discovery Protocol (LLDP)
IEEE 802.1p	Class of Service (CoS)
IEEE 802.1Q	VLAN
IEEE 802.1D-2004	Rapid Spanning Tree Protocol (RSTP, backward compatible 802.1w)
IEEE 802.3ad	Link Aggregation Control Protocol (LACP)
IEEE 802.1X	Port based Network Access Protocol
IEEE 802.3at	Power Over Ethernet Plus(PoE+), backward compatible with 802.3af PoE
MIL-STD-810 Environment Testing Standards	
Method 501, Operational Temperature, high:	Procedure II: +60°C, two-hour dwell, four cycles
Method 501, Storage Temperature, high:	Procedure I: +70°C, two-hour dwell, four cycles
Method 502, Operational Temperature, low:	Procedure II: -20°C, two-hour dwell, four cycles
Method 502, Storage	Procedure I: -30°C, two-hour dwell, four cycles

Temperature, low:	
Method 514, Vibration:	Category 24/Non-Operating (Category 20 & 24, Vibration)
Method 514, Vibration:	Category 20/Operating (Category 20 & 24, Vibration)
Method 516, Shock:	Procedure V Non-Operating (Mechanical Shock)
Method 516, Shock:	Procedure I Operating (Mechanical Shock)
MIL-STD-461 ELECTROMAGNETIC TESTING STANDARDS	
CE102	Conducted emissions, power leads, 10KHz to 10MHz
RE102	Radiated emissions, electric filed, 30MHz to 5GHz
RS103	Radiated susceptibility, electric filed, 80Mhz to 3GHz

Dimension





I/O Ports