



MLB-E4105-8 & MLB-E4106-8-F

8-Port Lite-managed Switch

➔ DATASHEET





MLB-E4105-8

MLB-E4106-8-F

8-Port Lite-managed Switch



MLiS 8-Port Ethernet Switch provides Fast Ethernet and fiber ports for optional. It fulfills the needs of the rapid growth of communication traffic in industrial network. The unmanaged series are designed for supporting standard industrial applications without complex setup to make the network truly plug-and-play. With the QoS and traffic storm control, MLiS series switches are able to provide the high reliability user experience in the complex network.

Features

Full
10/100M

-40 ~ +75°C

Industrial
Design

- IEEE 802.3x flow control & back-pressure
- 9K jumbo frames
- L2 wire-speed switching engine
- 8K MAC forwarding addresses
- Queues per port: 4
- Supports 802.1p & TOS/DS QoS
- Multicast/Broadcast/Flooding Storm Control
- Fanless & wide operating temperature range (-40~+75°C)
- Dual power input (12~58VDC) & reverse power protection
- Hi-POT 1.5 KV
- IP30
- DIN-rail and wall mounting option

MLB-E4105-8/E4106-8-F 8-Port Life-managed Switch

Ethernet

Operating Mode	Store and forward L2 wire-speed/non-blocking switching engine
MAC Addresses	1K (Fast Ethernet)/8K (Gigabit Ethernet)
Jumbo Frames	9K Bytes
Copper RJ45 Ports	Fast Ethernet Switch: 10/100M Copper ports speed auto-negotiation; MDI/MDIX auto-crossover
Ethernet Isolation	1500 VRMS 1 minute
Fiber Port Connector	LC typically for fiber (depends on module)
Flow Control	IEEE 802.3x (full duplex) and back-pressure (half duplex)
Fault Contact	Power alarm relay output (MLB-E4105-8)
QoS	IEEE 802.1p
Number of Queues	4
Traffic Sh	Port-based port shaping
Storm Control	Multicast/Broadcast/Flooding Storm Control per system basis enable/disable

Power

Power Input	Redundant input terminals; reverse power protection
Input Voltage Range	12~58VDC

Indicators

Power Status Indication	Indication of power input status
Ethernet Port Indication	Link & Speed

Environmental & Compliances

Operating Temperature Range	-40~+75°C (cold startup at -40°C)
Storage Temperature Range	-40~+85 °C
Humidity	5~95% (non-condensing)
Vibration, Shock & Freefall	Vibration: IEC60068-2-6 Shock: IEC60068-2-27 Freefall: IEC60068-2-32
Certification Compliance	CE/FCC/UL-508; EN-50121-4
Electrical Safety EMC	UL508/CSA C22, EN61010-1, CE FCC Part 15, CISPR 22 (EN55022) class A IEC61000-4-2, -3, -4, -5, -6 (level 3)
RoHS and WEEE	RoHS (Pb free) and WEEE compliant
MTBF	> 25 years

Mechanical

Ingress Protection	IP30
Installation Option	DIN-rail mounting Wall mounting
LLDP	IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
Dimension (L)x(W)x(H)	117.8x 39x96.9mm (without DIN rail clip)
Weight	395g

Regional Contact

Taiwan | +886 2-2502-5095
China | +86 (755) 8376-0232
Singapore | +65 6272-7233
Email | sales.mlis@schmidtelectronics.com

Official Website



MLIS Website | www.schmidtm2m.com
Support | www.schmidtm2m.com/support
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