

PRELIMINARY



MLB-E4101-5 / MLB-E4102-5-F

Industrial 10 / 100M Ethernet Switch

5-port unmanaged / Lite-managed



MLiS MLB-E4101-5 / MLB-E4102-5-F provides 5 10 / 100M Ethernet ports to fulfill the needs of the rapid growth of communication traffic in industrial network. MLiS series are designed for supporting standard industrial applications without complex setup to make the network truly plug-and-play.

Lite / Unmanaged Industrial Ethernet Switches

Features

- Provide 5 10 / 100M Copper ports (MLB-E4101-5)
- Provide 4 10 / 100M Copper ports plus 1 100FX or 1000BaseF (SX / LX / LH) (MLB-E4102-5-F)
- IEEE 802.3x flow control & back-pressure
- 9K Jumbo frames
- L2 wire-speed switching engine
- 2K MAC forwarding addresses
- Queues per port : 4
- Support 802.1p & TOS / DS QoS
- Multicast / Broadcast / Flooding Storm Control
- Fanless & wide operating temperature range (-40 to +75°C)
- Dual power input (12 ~ 58 VDC) & Reverse power protection
- IP30
- DIN-Rail and Wall mounting option

Full
10 / 100M

-40 ~ 75°C

Industrial
Design

Specifications

Ethernet	
Operating mode	Store and forward L2 wire-speed / non-blocking switching engine
MAC addresses	2K
Jumbo frames	9K Bytes
Copper RJ45 Ports	10 / 100 / 1000 Mbps speed auto-negotiation; MDI / MDIX Auto-crossover
SFP (pluggable) Ports	100 / 1000BaseSFP slot
Fiber port connector	LC typically for fiber (depends on module)
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
QoS	IEEE 802.1p
Number of queues	4
Traffic Shaper	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	12-58 VDC
Indicators	
Power Status indication	Indication of power input status
Ethernet port indication	Link & Speed
Environmental and Complies	
Operating temperature range	-40 to +75°C (cold startup at -40°C)
Storage temperature range	-40 to +85 °C
Humidity	5 to 95% RH (non-condensing)
Vibration, shock & freefall	IEC60068-2-6, -27, -32
Certification compliance	CE / FCC / UL-508; EN-50121-4
Electrical safety	UL508 / CSA C22, EN61010-1, CE
EMC	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
Dimension	112.2mm (H) x 29.1mm (W) x 89.4mm (D) (without DIN rail clip)
Weight	295g
Installation option	DIN-Rail mounting Wall mounting



MLiS unmanaged switch information

Available Models	Description	Gigabit Ethernet Port	
		10 / 100 / 1000BaseT(X)	100 / 1000BaseSFP
MLB-E4101-5	Industrial 5-port 10 / 100M Unmanaged Ethernet Switch	5	
MLB-E4102-5-F	Industrial 5-port 10 / 100M Unmanaged Ethernet Switch	4	1

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Make Life Safe and Simple

Product specifications are subject to change without notice. Please contact us for further details.

