



MLB-E4110-5-G-P & MLB-E4111-5-G-P-F

5-Port IEEE802.3af /at PoE Switch

➔ DATASHEET





MLB-E4110-5-G-P

MLB-E4111-5-G-P-F

5-Port IEEE802.3af/at PoE Switch

MLB-E4110-5-G-P & MLB-E4111-5-G-P-F full 10/100/1000M 5-port Ethernet switches compliant with both IEEE 802.3af and IEEE 802.3at PoE standards and delivering up to 30 watts power per port along with data on standard Ethernet cabling. The switches can be used to power IEEE 802.3af/at standard devices (PD), which eliminates the need for additional wiring and eases the deployment for applications to reach power source.

Full
Gigabit

-40 ~ +75°C

Industrial
Design

802.3at
PoE+

Features

- Full 10/100/1000M Ethernet ports
- IEEE 802.3af PoE & IEEE 802.3at PoE+ compliant
- 9K jumbo frames
- L2 wire-speed switching engine
- 2K MAC forwarding addresses
- Fanless design and withstand a wide operating temperature range (-40~+75°C)
- Dual power input (46~57VDC, dual input)
- DIN-rail and wall mounting option
- IP30
- Supports Gigabit

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
Ethernet Isolation	1500 VRMS 1 minute
SFP (Pluggable) Ports	1000 Base SFP slot Fiber Port Connector LC typically
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, 4 queues per port
Number of Queues	4
Traffic Shaper	Port-based port shaping
Storm Control	Multicast/Broadcast/Flooding Storm Control per system basis enable/disable
PoE	4 Ports for IEEE 802.3at PoE PSE
Power	
Power Input	Redundant input terminals; reverse power protection
Input Voltage Range	12~58VDC (46~57VDC for PoE)

Indicators	
Power Status Indication	Indication of power input status
Ethernet Port Indication	Link & Speed
PoE Power Indication	PoE power status indication
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 MTBF	RoHS (Pb free) and WEEE compliant > 25 years
Mechanical	
Ingress Protection	IP30
Installation Option	DIN-rail mounting
Dimension (L)x(W)x(H)	139x29x106mm (without DIN rail clip)
Weight	375g
Installation Option	DIN-rail mounting

Regional Contact

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