

# MLB-E4105-8 / MLB-E4106-8-F

## Industrial 10 / 100M Ethernet Switch

8-Port unmanaged



MLiS MLB-E4105-8 / MLB-E4106-8-F provides 8 10 / 100M Ethernet ports to fulfill the needs of the rapid growth of communication traffic in industrial network. MLI's 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, MLI's series switches are able to provide the high reliability user experience in the complex network.

### Unmanaged Industrial Ethernet Switches

#### Features

Full  
10 / 100M

- Provide 8 10 / 100M Copper ports (MLB-E4105-8)
- Provide 8 10 / 100M Copper ports plus 2 ports 100FX or 1000BaseF (SX / LX / LH) (MLB-E4106-8-F)
- IEEE 802.3x flow control & back-pressure
- 9K Jumbo frames
- L2 wire-speed switching engine
- 8K MAC forwarding addresses

-40 ~ 75°C

- 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

Industrial  
Design

# MLiS 5-Port Unmanaged 10 / 100M Ethernet Switch

## Specifications

| Ethernet                 |                                                                                  | Environmental and Complies  | Link & Speed                                                                      |
|--------------------------|----------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------|
| Operating mode           | Store and forward<br>L2 wire-speed / non-blocking switching engine               | Operating temperature range | -40 to +75°C (cold startup at -40°C)                                              |
| MAC addresses            | 8K                                                                               | Storage temperature range   | -40 to +85 °C                                                                     |
| Jumbo frames             | 9K Bytes                                                                         | Humidity                    | 5 to 95% RH (non-condensing)                                                      |
| Copper RJ45 Ports        | 10 / 100 / 1000 Mbps speed auto-negotiation;<br>MDI / MDIX Auto-crossover        | Vibration, shock & frefall  | IEC60068-2-6, -27, -32                                                            |
| SFP (pluggable) Ports    | 100 / 1000BaseSFP slot                                                           | Certification compliance    | CE / FCC / UL-508; EN-50121-4                                                     |
| Fiber port connector     | LC typically for fiber (depends on module)                                       | Electrical safety           | UL508 / CSA C22, EN61010-1, CE                                                    |
| Flow control             | IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)                        | EMC                         | FCC Part 15, CISPR 22 (EN55022) Class A<br>IEC61000-4-2, -3, -4, -5, -6 (Level 3) |
| QoS                      | IEEE 802.1p                                                                      | RoHS and WEEE               | RoHS (Pb free) and WEEE compliant                                                 |
| Number of queues         | 4                                                                                | MTBF                        | > 25 years                                                                        |
| Traffic Shaper           | Port-based Port shaping                                                          | Mechanical                  |                                                                                   |
| Storm Control            | Multicast / Broadcast / Flooding Storm Control per system basis enable / disable | Ingress protection          | IP30                                                                              |
| Power                    |                                                                                  | Dimension                   | 117.8mm (H) x 39mm (W) x 96.9mm (D)<br>( without DIN rail clip)                   |
| Power input              | Redundant Input Terminals; Reverse power protection                              | Weight                      | 395g                                                                              |
| Input voltage range      | 12-58 VDC                                                                        | Installation option         | DIN-Rail mounting; Wall mounting                                                  |
| Indicators               |                                                                                  |                             |                                                                                   |
| Power Status indication  | Indication of power input status                                                 |                             |                                                                                   |
| Ethernet port indication | Link & Speed                                                                     |                             |                                                                                   |



## MLiS unmanaged series information

| Available Models | Description                                           | Gigabit Ethernet Port   |                   |
|------------------|-------------------------------------------------------|-------------------------|-------------------|
|                  |                                                       | 10 / 100 / 1000BaseT(X) | 100 / 1000BaseSFP |
| MLB-E4105-8      | Industrial 8-port 10 / 100M Unmanaged Ethernet Switch | 8                       |                   |
| MLB-E4106-8-F    | Industrial 8-port 10 / 100M Unmanaged Ethernet Switch | 6                       | 2                 |

## Contact us

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

