MES1204

Dual VDSL and 4 100M Ethernet Ports Embedded Industrial Extender

- Support 4*100M Ethernet ports and 2*DSL ports,the 100M port can be 4 copper ports or 2 fiber/2 copper ports optional
- The fiber ports support SC/FC/ST connector, single mode/multi-mode, wavelength, and transmission distance options
- The copper ports support 10/100M auto-sensing, full/half duplex, auto MDI/MDI-X, plug and play, convenient and fast
- The DSL port is used for long-distance communication through twisted pair cables, extending the transmission distance of Ethernet port up to 1km
- Comply with the G.993.2 VDSL2 standard that established by the International Telecommunication Union (ITU)
- Support DC9~24V power input and comply with intrinsic safety circuit design standard
- Working temperature from -20 ℃ to +75 ℃

Product Description

The MES1204 series products are dual embedded network extenders designed for specialized industrial communication network dedicated line transmission applications. These products are used in pairs and can transmit Ethernet signals over ordinary cables such as twisted pairs, telephone lines, coaxial cables, etc., allowing network devices to be located at a considerable distance from each other. This solution goes beyond the limitations of traditional Ethernet, extending copper cable networks and reducing network wiring installation costs using existing twisted pair copper resources. The series also features a variety of communication interfaces. It supports configurations with 4*100M copper ports or 2*100M fiber ports+ 2*100M copper ports. The fiber port is 100Base-FX full-duplex single-mode or multi-mode fiber interface, with fiber ports including SC, ST, and FC. The copper ports are 10/100Base-T Ethernet RJ45 ports, each of which has auto-sensing capabilities, supporting full-duplex or half-duplex modes, and can auto MDI/MDI-X connections. It can meet the needs of upgrades and expansions, with strong compatibility, providing robust support for mine information automation, making industrial communication smoother, more reliable, and faster, and meeting the constant innovation requirements of customers to enhance value-added applications.

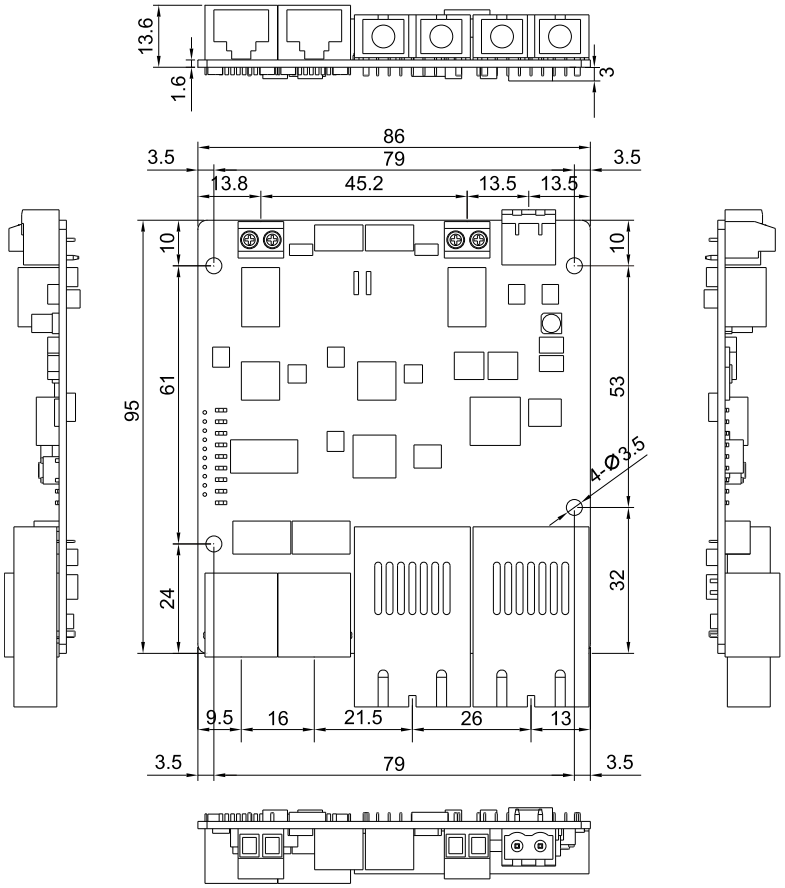
In terms of structural installation, the MES1204 series switches use industrial embedded installation. These products use high-quality imported chips, have low power consumption, and a fanless design. The power supply has reliable overcurrent, reverse connection, and EMC protection, making it suitable for intrinsic safety power applications. In terms of core components, industrial-grade quality design schemes are used, and the products undergo rigorous testing in accordance with industry standards. They can adapt to harsh industrial field environments and are widely used in large coal mines and mine systems for video monitoring, safety monitoring, and large-scale networking on-site.

Specification

Interface	
DSL Port	2*DSL ports, 5.08mm pitch 2-pin terminal block, communication distance up to 1000m (Cable requirement: 2-core twisted pair telephone wire with a diameter >0.5mm², and twist distance<25mm)
100M Fiber Port	2*100Base-FX fiber port,support SC/FC/ST connector, single mode/multi-mode, wavelength, and transmission distance options
100M Copper Port	2/4*10/100Base-T(X) auto-sensing RJ45 ports, full/half duplex, auto MDI/MDI-X
Status LED	Power LED, operation LED, DSL LED, port LED.Support external output of indicator signals
Power Supply	
Input Voltage	DC9~24V
Full load Power Consumption	<4.5W@DC12V
Connection	5.08mm pitch 2-pin terminal block
Physical Characteristics	
Dimensions	95×75×13.6 mm
Installations	Embedded
Weight	About 75g
Working Environment	
Operating Temp	-20℃~+75℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)

Dimensions

Unit: mm



Ordering Information

Standard Model	100M Fiber Port	100M Copper Port	DSL Port	Input Voltage
MES1204	/	4	2	DC9~24V
MES1204-2F(M/S)	2	2	2	DC9~24V

Contact Us

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