

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

ET-8MS-OEM Industrial Ethernet Switch

Sixnet Networking Series



▶▶▶ 8+ Port OEM Industrial Ethernet Switch

The ET-8MS-OEM is a 8+ port industrial Ethernet switch designed for OEM embedded applications. It allows you to easily and quickly create your own custom switch or Ethernet enable your existing OEM system. This powerful off-the-shelf solution will save you time and money!

PRODUCT HIGHLIGHTS

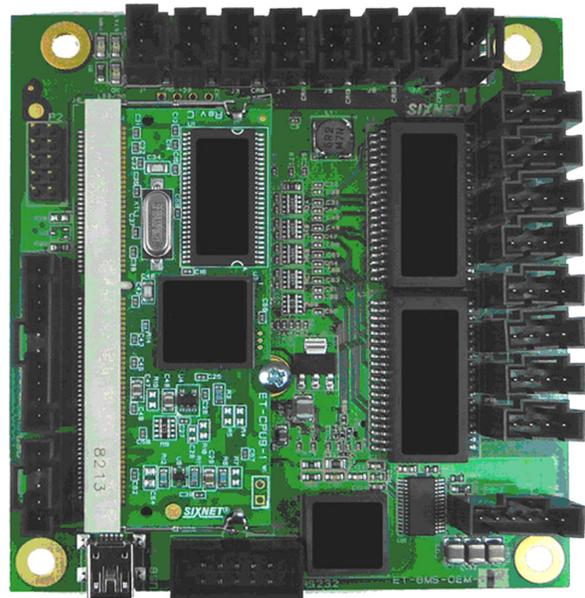
- Board level design for embedded applications
- 10 possible ports including one MII
- Eight 10/100 PHYs and magnetics on-board
- Two Gigabit available through external PHYs
- Board-to-board or board-to-wire connections
- Interface options for external LEDs
- PC/104 footprint 3.55 x 3.78" (9.0 x 9.6 cm)
- -40 to 75°C operating range

REAL-TIME SECURE PERFORMANCE

- Fast wire-speed switching
- Intelligent message routing - No collisions!
- Real-Time-Ring™ & Rapid Spanning Tree (RSTP) for fast redundant ring or mesh connections
- SNMPv1 and v2 network management
- SNMPv3 authentication & encryption for security
- SNMP notifications (traps) for report on event
- Priority Queuing (QoS/CoS) for real-time operation
- IGMP for Multicast filtering (snooping & querying)
- VLAN for convenient traffic segregation
- Broadcast & multicast storm protection
- RMON & port mirroring for advanced diagnostics
- Security with HTTPS, SSL, SSH, SNMPv3 & more
- Easy to use interfaces: web, CLI or Telnet
- Free firmware upgrades forever

Sixnet Knows Industrial

We have been designing industrial hardware such as Remote Terminal Units for over 30+ years and have used this expertise to design the toughest Ethernet switches on the market. Don't trust your critical communications to so-called industrial hardware from commercial switch manufacturers. Sixnet switches give you proven assurance that your system will keep running for years to come.



Offered with board-to-wire or board-to-board connectors



Bottom view with board-to-board connectors shown

Ideal for Commercial Off the Shelf Solutions

▶▶▶ ET-8MS-OEM Industrial Ethernet Switch Specifications

ETHERNET PERFORMANCE

- Managed switch
- Store & forward wire-speed switching
- Automatic address learning, aging and migration
- Full duplex operation with flow control (no collisions)
- All IEEE 802.3 Ethernet protocols supported
- 8192 MAC addresses supported
- Memory bandwidth 32 Gbps
- Typical latency (varies on load)
 - @ 100 Mbps: 5 μ s + frame time
 - @ 10 Mbps: 16 μ s + frame time
- Ethernet isolation 1500 VRMS 1 minute

ETHERNET PORTS

- 10 possible Ethernet ports total
- 8 fast Ethernet with on-board PHYs and magnetics; available through board-to-board or wire connectors
- 2 Gigabit Ethernet (require external PHYs and magnetics); available through board-to-board connector
- 1 MII port (shared with 1 Gigabit port above) for interface to an external CPU or PHY or fiber optic transceiver; available through board-to-board connector
- Ports support plug and play operation
 - Auto-negotiation for 10 or 100 Mbps
 - Auto-MDI/MDIX-crossover for either cable type
 - Auto-polarity corrects for crossed +/- signals

ETHERNET COMPLIANCE

- IEEE 802.3 (10Mbps Ethernet supports legacy devices)
- IEEE 802.3u (Fast Ethernet 100Mbps for newer devices)
- IEEE 802.3z (Gigabit Ethernet 1000Mbps)
- IEEE 802.3x (Full-Duplex with Flow Control)
- IEEE 802.1D/w, 802.1p, 802.1Q and much more

POWER INPUT

- Power input voltage: 3.3 or 5.0 VDC (regulated)
- Input power (typ. 8 ports active at 100 Mbps) 4 W

ENVIRONMENTAL

- Operating temperature: -40 to +75°C (cold startup at -40)
- Storage temperature: -40 to +85 °C
- Humidity (non-condensing) 5 to 95% RH
- Vibration and shock: IEC68-2-6, -2-27 and -2-32

STANDARDS COMPLIANCE

- Electrical safety - EN61010-1
- EMC - FCC part 15, ICES-003; EN61000-6-4, -2
- RoHS and WEEE compliant

PHYSICAL

- Weight – 4 oz. (0.11 kg)
- Dimensions – 3.55 x 3.78" (9.0 x 9.6 cm)

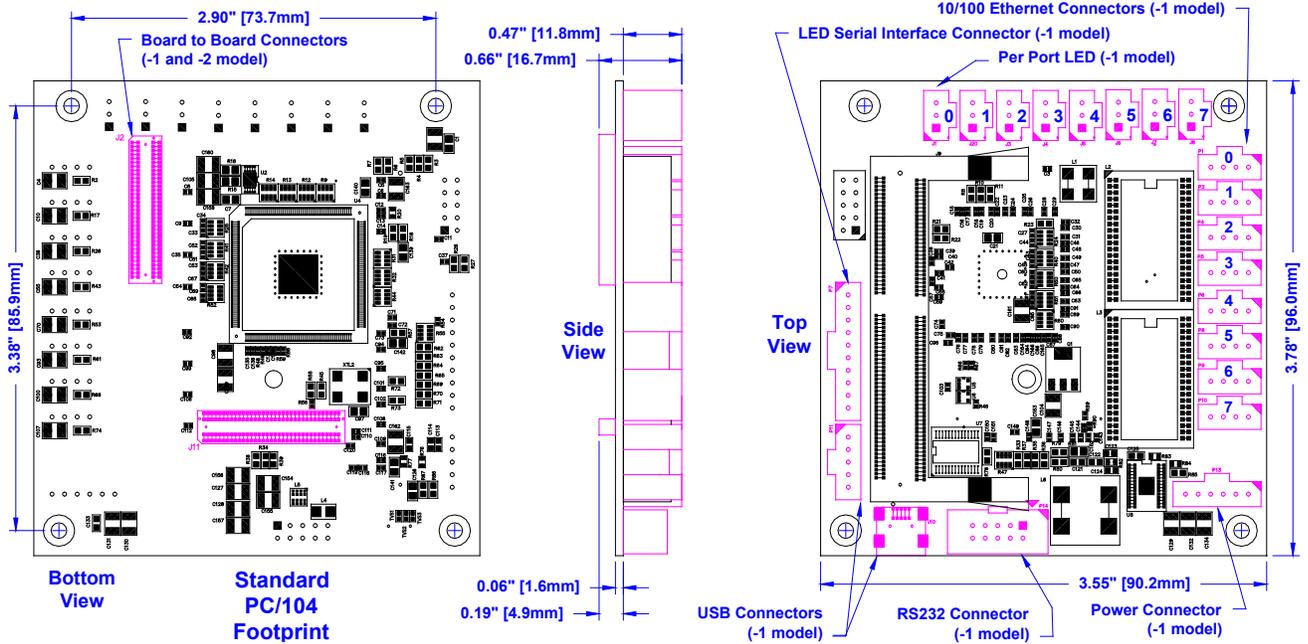
ORDERING GUIDE

ET-8MS-OEM-1	OEM switch with all connectors
ET-8MS-OEM-2	OEM switch with board-to-board connectors only (bottom of board)

A test fixture is also available. Contact Sixnet for details.

ET-8MS-OEM Industrial Ethernet Switch Specifications

MECHANICAL DRAWING



All specifications are subject to change. Consult factory for latest info.



www.redlion.net

Connect. Monitor. Control.

Americas
sales@redlion.net

Asia-Pacific
asia@redlion.net

**Europe
Middle East
Africa**
europe@redlion.net

+1 (717) 767-6511

As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our award-winning technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. For more information, please visit www.redlion.net. Red Lion is a Spectris company.