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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.

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

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

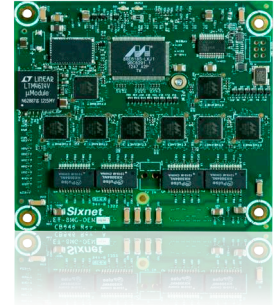
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## ▶▶▶ OEM Industrial All-Gigabit Ethernet Switch

The Red Lion Sixnet ET-8MG-OEM is an 8 port industrial all-Gigabit Ethernet switch designed for OEM embedded applications.

This powerful board-level solution enables organizations to quickly create custom switches or use Ethernet to enable existing OEM systems. With powerful software, our custom Commercial Off-The-Shelf (COTS) solution keeps industrial networks up and running even in the toughest conditions.



### APPLICATIONS

- > Utilities
- > Transportation
- > Alternative Energy
- > Military
- > Security Surveillance

### PRODUCT HIGHLIGHTS

- > Board-level design for embedded applications
- > Support up to 8 ports: 10/100/1000BaseT copper, 100Base or 1000Base (SFP or SFF fiber), or Combo (with copper or fiber auto-detect)
- > 8 10/100/1000 PHYs and magnetics on board
- > Board-to-board connection
- > Extra output lines to drive external LEDs
- > Compact PC/104 design

### FEATURES & BENEFITS

- > Supports up to eight ports:
  - 10/100/1000BaseT Ethernet ports
  - 100Base SFF or SFP fiber ports
  - 1000Base SFF or SFP fiber ports
  - Combo (copper or fiber auto-detect)
- > -40° to 75°C wide temperature operation
- > 5.0 VDC power input
- > 10/100/1000BaseT(X), duplex and MDIX auto sensing
- > Security with HTTPS, SSL, SSH and TSL
- > Easy configuration via Web, Telnet or CLI
- > Broadcast and multicast storm protection
- > Fully managed features include:
  - SNMP v1, v2, v3
  - RSTP 802.1d, 802.1w, 802.1D
  - MSTP
  - IGMP v1, v2
  - Port mirroring
  - 802.1Q tag VLAN and port VLAN
  - 802.1p QoS, port QoS and DSCP
  - DHCP Client/Server

# ET-8MG-OEM Specifications

## SWITCH PROPERTIES

Ethernet ports: 8 Gigabit  
 Ethernet type: Managed  
 Ethernet protocols: All IEEE 802.3 (copper or SFP/SFP fiber is supported)  
 Ethernet isolation: 1,500 VRMS 1 minute  
 MAC addresses: 8,192  
 Typical latency (varies on load): <5  $\mu$ s plus frame time  
 Wire speed switching: store and forward  
 Memory bandwidth: 32 Gbps

## POWER INPUT

Power input voltage: 5.0 VDC (regulated)  
 Input power: 16W Maximum  
 BTU/hr: 55

## CONNECTORS

3 board-to-board connectors for 8 Gigabit copper or fiber ports (on-board PHYs and magnetics provided)

## ENVIRONMENTAL

Operating temperature: Up to -40° to 75°C dependent on cooling implementation\*  
 Storage temperature: -40° to 85°C  
 Humidity: 5% to 95% RH (non condensing)  
 Shock and vibration: IEC68-2-6, -2-27 and -2-32 with proper mounting  
 1,212,744 Hours GB @ 40°C per MIL-HNDBK-217F2

## MECHANICAL

Weight (maximum):  
 ET-8MG-OEM-F - 1.5 oz. (0.04 kg)  
 ET-8MG-OEM-HSK1 - 4.4 oz. (0.12 kg)  
 ET-8MG-OEM-HSK2 - 5.4 oz. (0.15 kg)

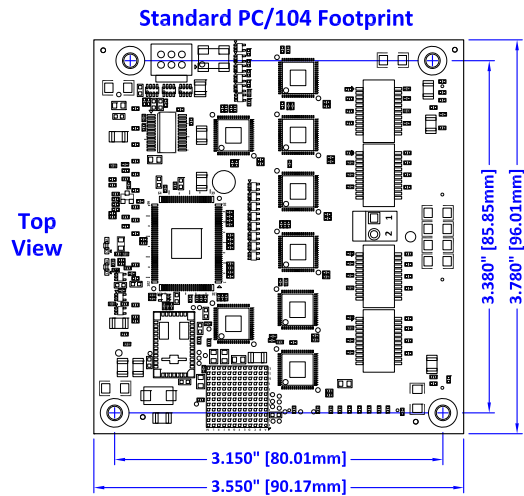
All specifications are subject to change. Consult the company website for more information.  
 \*Reference technical note for cooling options

## ORDERING GUIDE

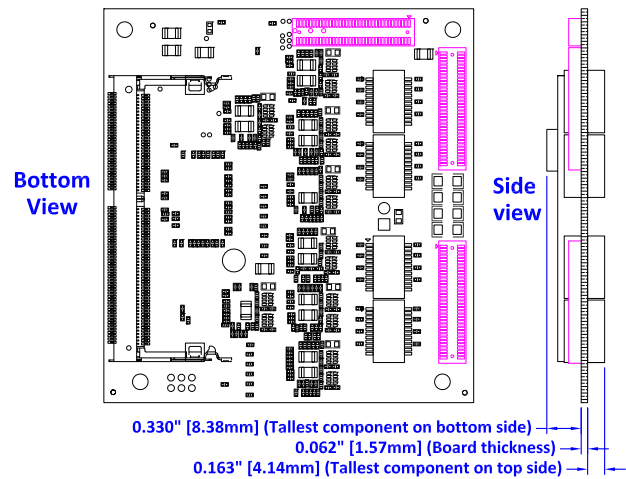
PART NUMBER	DESCRIPTION
ET-8MG-OEM-F	8-port Gigabit managed Ethernet switch board assembly
ET-8MG-OEM-TF	Test/development fixture
ET-8MG-OEM-HSK1	Heat-sink kit for conductive cooling
ET-8MG-OEM-HSK2	Heat-sink kit for fan cooling

## DIMENSIONS

Width: 3.55" (9.0 cm)  
 Height: 3.78" (9.6 cm)



(See Technical Note for More Detailed Dimensions)



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Connect. Monitor. Control.

**Americas**  
 sales@redlion.net

**Asia-Pacific**  
 asia@redlion.net

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

+1 (717) 767-6511

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