

▶▶▶ 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 μ 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)

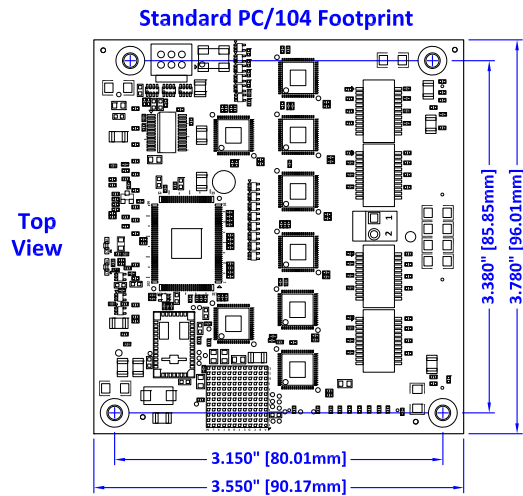
All specifications are subject to change. Consult the company website for more information.
 *Reference technical note for cooling options

ORDERING GUIDE

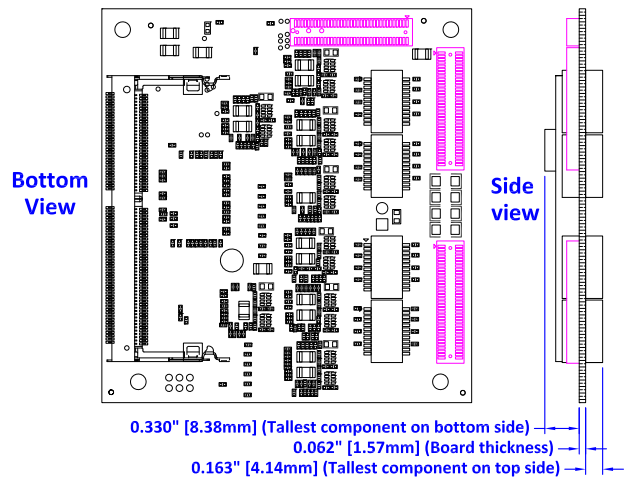
PART NUMBER	DESCRIPTION
ET-8MG-OEM-F	8-port Gigabit managed Ethernet switch board assembly
ET-8MG-OEM-TF	Test/development fixture
ET-8MG-OEM-HSK1	Heat-sink kit for conductive cooling
ET-8MG-OEM-HSK2	Heat-sink kit for fan cooling

DIMENSIONS

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



(See Technical Note for More Detailed Dimensions)



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