

EB-GT-8ES IP67 Unmanaged Ethernet Switch

Sixnet Military Series



▶▶▶ 8 Port IP67 Unmanaged Industrial Ethernet Switch

Sixnet's EB-GT-8ES-1EP is an 8 port industrial Ethernet unmanaged switch featuring IP67 water-tight packaging and MIL-STD-1275 power protection.

Designed for the toughest defense and industrial applications, this rugged switch is completely potted to protect against water, shock and vibration.



APPLICATIONS

- > Industrial Outdoor
- > Marine and maritime
- > Transportation
- > Military in-vehicel (per COTS)
- > Aerospace

PRODUCT HIGHLIGHTS

- > 8 10/100 Mbps auto-detecting ports
- > IP67 water-tight case and connectors
- > Direct machine mounting
- > MIL-STD-1275 power protection
- > Superior shock and vibration resistance

FEATURES & BENEFITS

- > Rugged, reliable operation
 - Supports deployment in extreme environments
 - Provides high reliability in the toughest applications
 - Industrial ratings for military and hazloc applications
 - Superior shock and vibration resistance
 - Reliable 1,000,000+ hours MTBF
 - 40 to 60°C operating temperature
- > Real-time ethernet performance
 - Helps optimize vehicle networks
 - Protects mission critical communications
 - Fast wire-speed switching
 - Intelligent message routing
 - Full IEEE 802.3 protocol support
 - Plug-and-play operation

industrial
networking



8 Port IP67 Unmanaged Industrial Ethernet Switch Specifications

ETHERNET PERFORMANCE

Unmanaged, store and forward, wire-speed
 All IEEE 802.3 Ethernet protocols supported
 8 fast 10/100 Ethernet ports
 10/100BaseTX
 Speed auto-negotiation
 MDI/MDIX auto-crossover
 TD and RD auto-polarity
 Typical latency (varies on load and settings)
 @ 10 Mbps: 16 us + frame time
 @ 100 Mbps: 5 us + frame time
 Full duplex operation with flow control
 MAC addresses: 1024
 Memory bandwidth 2 Gbps
 Ethernet isolation 1500 VRMS 1 minute

POWER INPUT

Reverse polarity protection
 Input power: 4W
 Power input voltage: +/-16-40 VDC
 Power protection per MIL-STD-1275
 Environmental
 Operating temperature:
 -40 to 60 °C (cold startup at -40 °C)
 Storage temperature: -40 to 85 °C
 Humidity: 100% RH
 Vibration and shock: IEC60068-2-6, -27, -32

ETHERNET COMPLIANCE

IEEE 802.3u (fast Ethernet 100Mbps)
 IEEE 802.3 (original 10 Mbps Ethernet)
 IEEE 802.3x (full-duplex with flow control)

CERTIFICATION & COMPLIANCE

Electrical safety: UL508/CSA C22.2/14; EN61010-1, CE
 EMC: FCC part 15, ICES-003; EN61000-6-2/4, CE
 Hazardous locations: UL1604/CSA C22.2/213 (Class I, Div. 2);
 EN60079-15 (Zone 2, Category 3), CE (ATEX)
 Maritime: designed for marine and offshore per ABS
 RoHS and WEEE compliant
 NSN: 7025015256680

MECHANICAL

Direct machine mounting
 Case: UL 94V-0 materials
 Ingress protection: IP67
 Dimensions: (HxWxD):
 10.75x3.75x0.5" (27.31x9.53x1.27cm)
 Weight (typical): 2.5 lbs (1.3 kg)

WARRANTY

5 years on design and manufacturing defects

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

ORDERING GUIDE

PART NUMBER	DESCRIPTION
EB-GT-8ES-1EP	8-port IP67 unmanaged switch including 8 tethered caps
ACCESSORIES	DESCRIPTION
EB-CC-PS-F1	Field-installable IP67 military-rated DC power input plug
EB-CC-CAT5-M4	Field-installable IP67 military-rated RJ45 plug (4 piece pack)
EB-CC-CAP-L4	Replacement IP67 Ethernet receptacle closure cap with tether (4 pack)
EB-CP-RJ45-F1	IP67 military-rated bulkhead connector with tethered cap (for making waterproof connections to the outside of electrical enclosures)

DIMENSIONS

