

IP67 INDUSTRIAL ETHERNET UNMANAGED SWITCH

The EB-GT-8ES-1EP is an 8 port industrial Ethernet unmanaged switch that features IP67 water-tight packaging and MIL-STD-1275 power protection. This ultra-rugged switch is completely potted making it practically water and vibration-proof. It is designed for the toughest applications and is even tough enough for the military.

PRODUCT HIGHLIGHTS

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

REAL-TIME ETHERNET PERFORMANCE

- Fast wire-speed switching
- Intelligent message routing – no collisions!
- All IEEE 802.3 protocols supported
- Plug and play operation – no setup required!

TROUBLE FREE OPERATION

- Ultra-reliable 1,000,000+ hours MTBF
- -40 to +60 °C operation with no fans!
- UL/CSA (CUL), CE and HazLoc (Zone 2) rated
- Military surge and spike protection



Switch includes eight tethered caps



Deployed in over 4,000 Stryker LAVs



ETHERNET PERFORMANCE

- Unmanaged, store & 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 & settings)
 - @ 10 Mbps: 16 us + frame time
 - @ 100 Mbps: 5 us + frame time
- Full duplex operation with flow control
- MAC addresses supported 1024
- Memory bandwidth 2 Gbps
- Ethernet isolation 1500 VRMS 1 minute

ETHERNET COMPLIANCE

- IEEE 802.3u (fast Ethernet 100Mbps)
- IEEE 802.3 (original 10Mbps Ethernet)
- IEEE 802.3x (Full-Duplex with Flow Control)

POWER INPUT

- Reverse polarity protection
- Input power (typ. with all ports active)
 - 4 W
- 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

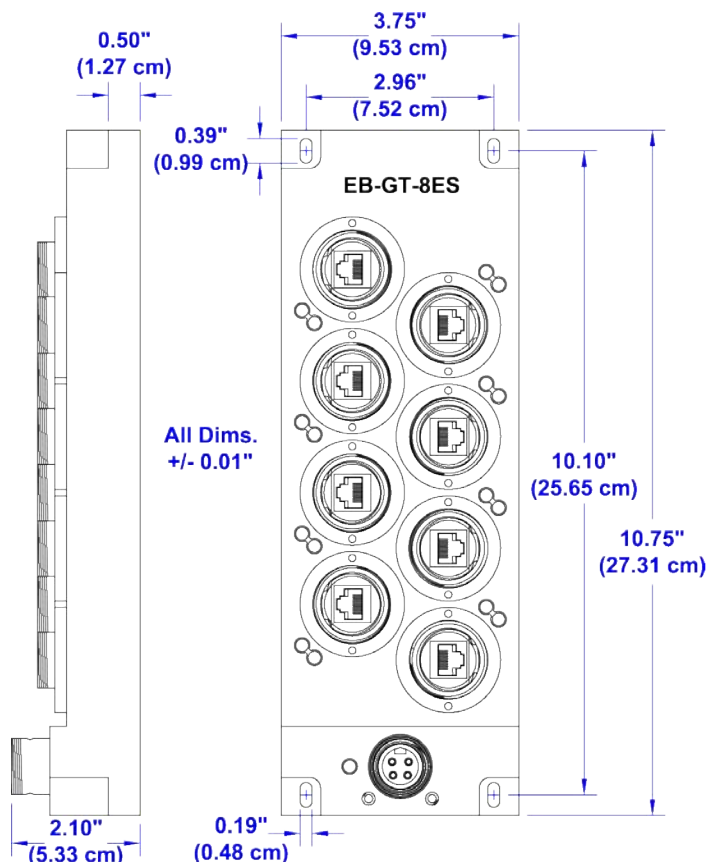
STANDARDS COMPLIANCE

- 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
- ISO9001:2000 certified company

PHYSICAL

- Direct machine mounting
- Case – UL 94V-0 materials
- Ingress protection – IP67
- Weight – 2.5 lbs (1.3 kg)
- Dimensions – see mechanical diagram

MECHANICAL DRAWING



ORDERING GUIDE

EB-GT-8ES-1EP 8-port IP67 unmanaged switch including 8 tethered caps

Accessories

EB-CC-PS-F1 Field-installable IP67 rated DC power input plug

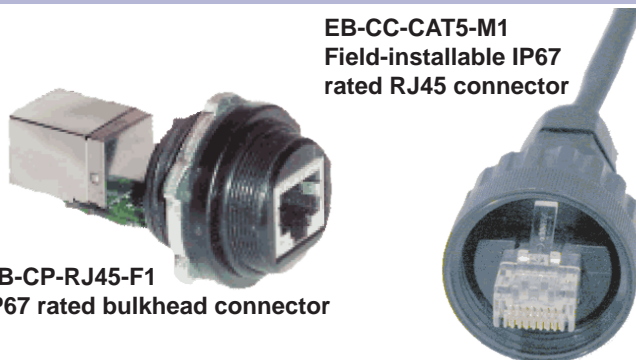
EB-CC-CAT5-M4 Field-installable IP67 rated RJ45 plug (4 piece pack)

EB-CC-CAP-L4 Replacement IP67 Ethernet receptacle closure cap with tether (4 piece pack)

EB-CP-RJ45-F1 IP67 rated bulkhead connector with tethered cap (for making waterproof connections to the outside of electrical enclosures)

EB-CC-CAT5-M1
Field-installable IP67 rated RJ45 connector

EB-CP-RJ45-F1
IP67 rated bulkhead connector



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



Sixnet Technology Park
331 Ushers Road • Ballston Lake, NY 12019 • USA
1.518.877.5173 • Fax 1.518.877.8346 • sales@sixnet.com

Datasheet EB-GT-8ES-1EP
Aug 24, 2009