ET-GT Industrial Modbus Gateways

Sixnet Networking Series

red lion ®

►►► Ethernet Modbus Gateway

The ET-GT-232-1 and ET-GT-485-1 gateways provide Ethernet access to your existing Modbus, Sixnet or other serial devices. You can gain all the advantages of Ethernet without replacing any hardware. Use these gateways in conjunction with the Sixnet OPC server to interface to any Windows software via OPC or DDE links. Or use the Modbus/TCP or Modbus/UDP I/O driver offered with most major HMI and SCADA software to interface seamlessly with these gateways.

PRODUCT HIGHLIGHTS

- Connect serial devices to an Ethernet network
- Supports the Modbus TCP/IP open standard
- Connects to Modbus RTU and ASCII serial devices
- Supports many other protocols - see manual
- Compatible with all Sixnet serial ports
- The ideal bridge for your legacy systems
- Super easy to setup and use

TROUBLE FREE OPERATION

- Ultra-rugged and reliable
- -30 to +70 °C operation with no fans!
- UL/CSA (CUL), CE and HazLoc (Zone 2) rated

ETHERNET PERFORMANCE

- Unmanaged, store & forward, wire-speed
- Ethernet port 10BaseT at 10Mbps
- Ethernet protocols TCP/IP or UDP
- Ethernet isolation 1500 VRMS 1 minute
- IEEE 802.3 (10Mbps Ethernet)

SERIAL PERFORMANCE

- Serial protocols Sixnet, Modbus ASCII and Modbus RTU, and others
- RS232 port TD, RD, RTS, CTS, DTR, GND
- RS485 port 2 wire (TD, RD, GND)
- Max. serial baud rate 115,200 (ET-GT-232), 57,600 (ET-GT-485)
- Max. # of RS-485 devices 32
- Max. RS485 cable distance
  - □ 1 km w/ 24 AWG wire & 57,600
  - □ 2 km w/ 20 AWG wire & 38,400
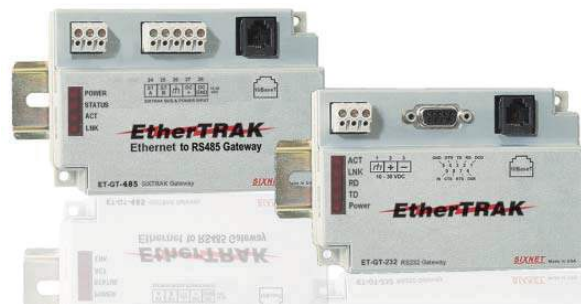 - □ 3.5 km w/ 18 AWG wire & 19,200
- RS485 isolation 1200 VRMS 1 minute

POWER INPUT

- Required supply voltage 10-30 VDC
- Input power: 0.5 watt typical

ENVIRONMENTAL

- Operating temperature: -30 to +70 °C (cold startup at -30 °C)
- Storage temperature -40 to +85 °C
- Humidity 5 to 95% RH (non-condensing)
- Vibration and shock – IEC60068-2-6, -27, -32

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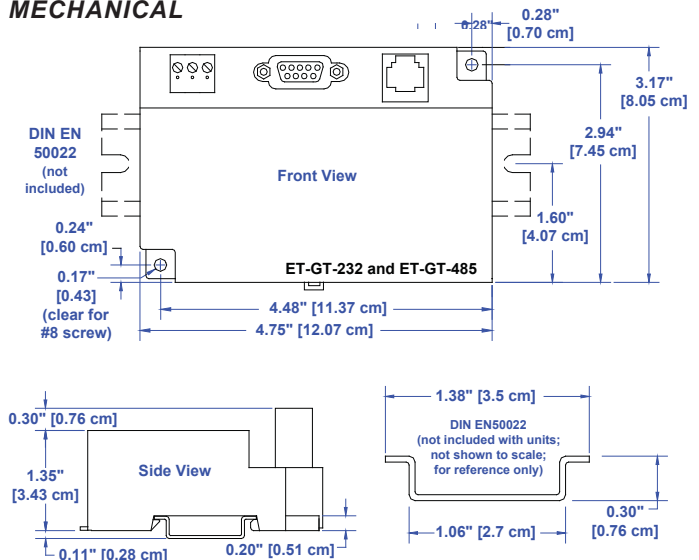

STANDARDS COMPLIANCE

- Electrical safety – UL508 / CSA C22.2/14
- EMC – FCC part 15, ICES-003
- Hazardous locations – UL1604 / CSA C22.2/213 (Class I, Div. 2)

PHYSICAL

- DIN rail or direct mounting
- Case – Aluminum and Lexan
- Ingress protection – IP30
- Weight – 10 oz (0.28 kg)
- Dimensions – see mechanical diagram

MECHANICAL

ORDERING INFORMATION

ET-GT-232-1	Ethernet to RS232 gateway
ET-GT-485-1	Ethernet to RS485 gateway

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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.