

Trigate Series Protocol Translator Gateway

Data Sheet



Small Trigate



Large Trigate

Triatek offers two protocol translator gateway options through our Trigate series, depending on the complexity and type of existing network.

The Small Trigate is a high-performance, fully-configurable, cost-effective building automation gateway that allows integrators to easily interface devices to networks in commercial buildings.

The Large Trigate is a multiport protocol gateway that provides a wealth of features to enable data transfer between different devices and networks utilizing serial, Ethernet, or LonWorks protocols. The Large Trigate is designed to meet the needs of system integrators in designing a complete interoperable system within large institutional, commercial, and industrial complexes.

Both options utilize the powerful FieldServer protocol driver library with state-of-the-art gateway design.

FEATURES INCLUDE

- Easy configuration
- Easy to maintain
- LonMark, BTL Certified
- Small Trigate - up to 250 points
- Large Trigate - up to 4,095 points
- Fee-based configuration services are available
- Improved stability and performance under high loads
- All hardware and software instructions are included



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Trigate Specifications	
Large Trigate	
LonWorks	FTT-10 twisted pair; up to 4,095 points; LonWorks service pin
Ethernet Ports (2)	100 BaseT RJ45 connector (auto MDIX and sensing) with ESD protection
Serial Ports (5)	2 x RJ45 RS-232 galvanically isolated with ESD protection; 2 x RS-485 galvanically isolated with ESD protection; 1 x RJ45 RS-232 system port
Auxiliary ports (2)	2 USB ports; expansion - Fieldbus connectors available for selected protocols
Drivers	Drivers available for a wide range of Ethernet and serial protocols
LED Indicators	Power, Run, System Error, Configuration Error, Node Offline; Ethernet connection - Link OK, Tx/Rx communication activity; RS-232/RS-485 - Tx/Rx communication activity; LonWorks - activity
Power Requirements	24VAC (+/- 10%) or 12-30 VDC @ 12W
Physical Dimensions	6.3 x 5.4 x 2.0 in. (16.0 x 13.7 x 5.0 cm); 2.5 lbs. (1.5Kg)
Operating Temperature	32 - 144°F (0 - 60°C)
Relative Humidity	10-90% RH non-condensing
Mounting Options	Desktop, wall, panel, optional DIN rail
Other	Configuration/diagnostic utilities
Approvals	CE Marked, CSA Certified to UL916 Standard and CSA at 22.2, DNP3 Tested, FCC Part 15, LonMark Certified, Modbus Tested, RoHS Compliant, GOST-R Certified
Small Trigate	
LonWorks	FTT-10 twisted pair; up to 250 points; LonWorks service pin
Power Requirements	9-30VDC or 12-24 VAC; Current draw at 12V: 250mA
Physical Dimensions	4.5 x 2.9 x 1.6in. (11.5 x 7.4 x 4.1 cm); 0.4 lbs. (0.2 Kg)
Operating Temperature	-40 - 167°F (-40 - 75°C)
Relative Humidity	5-90% RH non-condensing
Mounting Options	Table, wall, or DIN rail mount
Other	Configuration/diagnostic utilities
Approvals	TUV approved to UL 916, EN 60950-1, EN 50491-3, and CSA C22.2 standards; BTL Mark; LonMark certified; RoHS compliant; GOST-R certified; CE and FCC

Part Number Guide: TRIGATE PRO -

Type
L = Large
S = Small

