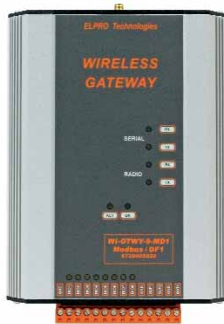


Radio communications can be configured for combination of event reporting (change-of-value), update time, read/write blocks and poll response. Radio message includes system addressing, unit addressing, error checking and configurable security encryption. Communication control includes message acknowledgments and up to four re-transmissions. Peer to peer addressing. Messages may be routed through four intermediate repeater addresses. Fail-to-transmit and fail-to-receive alarms configurable

WI-GTWY-9-PR2
Profibus DP Master



WI-GTWY-9-ET1
Ethernet IP, Modbus TCP, TCP/IP functions



Technical Data

Power Supply

Current drain during radio transmission

I/O Capacity

Register Size

Number of remote WI-GTWY-9 addresses

General Data

Operating Temperature

Storage Temperature

Humidity

EMC Standards

Approvals

Mounting

LED indication

Dimensions mm (in)

Wireless Communications

On-board I/O

Configuration

Diagnostics

Radio Transceiver

Frequency hopping spread spectrum

Transmit power

Receiver data sensitivity

Maximum line-of-sight range

Data rate

Antenna connector

Ordering Data

9 - 30VDC / 12 - 24VAC

Battery charging circuit included for 12V back-up battery, max charge current regulated to 0.7A (>12V supply)

Normal current drain

MD1 version 12V 150mA; 24V 90mA

Other version 12V 270mA; 24V 170mA

Add 5mA per active I/O

Add 12V 350mA; 24V 200mA to above

2048 bytes input and 2048 bytes output up to 4300 discrete I/O points, or up to 1024 analog in / 1024 analog out

16 bit

500

0 to 60°C (30 to 140°F)

0 - 95 %RH

EN 301 489, FCC Part 15, Approved to FCC Part 15.247, RS210

Class 1 Div 2 (USA, Canada).

DIN rail mounting,

for processor OK, radio TX and RX, serial TX and RX, active status

130 x 185 x 60 (5.1 x 7.3 x 2.4)

Profibus-DP functionality according to EN 50170.

RS-485 optically isolated with on-board DC/DC converter, automatic baudrate detection (9600 bit/s - 12 Mbit/s)

Eight discrete I/O, individually configurable as input or output. Inputs suitable for voltage free contacts.

Outputs are FET, 30VDC 500mA.

via free Windows software

on-line read/write of I/O registers, radio signal strength values from remote units, and off-line testing of data bus protocol.

902-908 MHz, sub-bands configurable

1W

108dBm

USA/Canada, 4W ERP, 20+ miles

19.2 Kb/s with forward-error correction

SMA coaxial

Type

WI-GTWY-9-PR2

Part No.

6720005022

9 - 30VDC / 12 - 24VAC

Battery charging circuit included for 12V back-up battery, max charge current regulated to 0.7A (>12V supply)

Normal current drain

MD1 version 12V 150mA; 24V 90mA

Other version 12V 270mA; 24V 170mA

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EN 301 489, FCC Part 15, Approved to FCC Part 15.247, RS210

Class 1 Div 2 (USA, Canada).

DIN rail mounting,

for processor OK, radio TX and RX, serial TX and RX, active status

130 x 185 x 60 (5.1 x 7.3 x 2.4)

10/100 Mbit/s, RJ45 connector, Transformer isolated interface

Modbus/TCP class 0, class 1 and partially class 2 slave

EtherNet/IP level 2 I/O Server

Embedded Web system (Dynamic HTTP), on-board file system (1.4MB flash disc), user downloadable web pages through FTP server, Email functionality (SMTP)

Eight discrete I/O, individually configurable as input or output. Inputs suitable for voltage free contacts.

Outputs are FET, 30VDC 500mA.

via free Windows software

on-line read/write of I/O registers, radio signal strength values from remote units, and off-line testing of data bus protocol.

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108dBm

USA/Canada, 4W ERP, 20+ miles

19.2 Kb/s with forward-error correction

SMA coaxial

Type

WI-GTWY-9-ET1

Part No.

6720005023