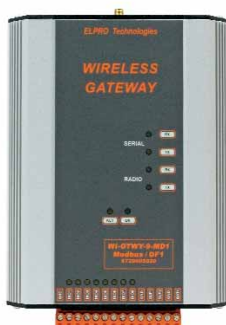
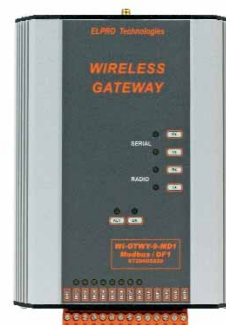


Radio communications can be configured for combination of event reporting (change-of-value), update time, read/write blocks and poll response. Radio message includes system addressing, unit addressing, error checking and configurable security encryption. Communication control includes message acknowledgments 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-MD1
Modbus (Master & Slave), DF1



WI-GTWY-9-PR1
Profibus DP Slave



Technical Data

Power Supply

I/O Capacity

Current drain during radio transmission
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
4300 I/O points (analog plus discrete)

-40 to 60°C (-40 to 140°F)
0 - 99 %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)

Modbus RTU (binary), master / slave configurable. RS232 or RS485, 300 - 19200 bits/sec.

Allen-Bradley DF1 full-duplex. RS232 only, 300 - 19200 bits/sec.

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-MD1
Part No. 6720005020

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
416 I/O bytes up to 1952 DI/1952 DO, or up to 122 AI/122 AO

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. Modbus RTU

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-PR1
Part No. 6720005021