



**WI-MOD-9-E**  
Ethernet 900MHz



**Technical Data**

**Description: Ethernet**

10/100 BaseT RJ45, IEEE 802.3 compliant.  
Bridge/router functions work with all Ethernet protocols

**Embedded Protocols:**

TCP/IP, UDP ARP, PPP, ICMP, HTTP, FTP, TFTP, TELNET

**Serial**

RS232 V.24 DCE  
RS485

1.2 to 115.2 Kb/s  
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Serial server, PPP, Modbus to Modbus TCP conversion

**Discrete I/O**

Input  
Output

One I/O channel  
Voltage-free contact  
FET 30VDC 500mA

**Networking**

Configurable as Access Point or Client, Bridge or Router  
Point-to-point, Point-to-multipoint,  
user configurable addressing  
Repeater functionality  
MAC Filtering - whitelist or blacklist

**General Data**

Operating Temperature  
Humidity  
Power Supply  
Current consumption  
Transmit  
Approvals  
Mounting  
LED indication

-40 to 60°C (-40 to 140°F)  
99% non-condensing  
10 – 30VDC  
280mA (12V), 150mA (24V)  
(1W) 500mA (12V), 300mA (24V)  
FCC 15.247, RS210,  
Hazardous area Class 1 Div 2   
DIN rail mounting  
Power/OK, Radio Rx and Tx, Radio Link, LAN Link/Activity,  
Serial Activity, Digital I/O, LAN 10/100Mbit Link

**Dimensions mm (in)**

Weight

115 x 141 x 32 (4.5 x 5.55 x 1.4)  
< 0.4 kg / 0.8 lb

Radio Transceiver

Frequency - USA/Canada

Hop Sequence

Transmit Power

Receiver sensitivity

Data rates

Protocol

Radio range

Frequency Hopping Spread Spectrum  
902 - 928 MHz  
16 x 50  
0.1 – 1W (20 – 30 dBm) configurable  
-108 dBm @ 10-6 BER  
19.2, 57.6, 115.2, 230 Kb/s or auto rate selection  
CSMA/CA with 32 bit CRC and auto-correction  
up to 60 miles / 100 km line-of-sight using high gain antennas  
(\*up to 4W ERP permitted in USA/Canada)  
Range may be extended using repeater features

Antenna connection

SMA female coaxial

**Security**

128 bit AES encryption or  
64 bit proprietary encryption (configurable)  
MAC filtering  
Password protected configuration

**Configuration**

HTTP with remote configuration via wireless link

**Diagnostics**

RSSI, channel noise, BER, connection monitoring and statistics

**Ordering Data**

Type	Part No.
WI-MOD-9-E	6720005051