

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


Technical Data	
<b>Description: Ethernet</b>	10/100 BaseT RJ45, IEEE 802.3 compliant. Bridge/router functions work with all Ethernet protocols
<b>Embedded Protocols:</b>	TCP/IP, UDP ARP, PPP, ICMP, HTTP, FTP, TFTP, TELNET
<b>Serial</b>	
RS232 V.24 DCE	1.2 to 115.2 Kb/s
RS485	1.2 to 115.2 Kb/s Serial server, PPP, Modbus to Modbus TCP conversion
<b>Discrete I/O</b>	One I/O channel
Input	Voltage-free contact
Output	FET 30VDC 500mA
<b>Networking</b>	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	-40 to 60°C (-40 to 140°F)
Humidity	99% non-condensing
Power Supply	10 – 30VDC
Current Normal	280mA (12V), 150mA (24V)
Transmit	(1W) 500mA (12V), 300mA (24V)
Approvals	FCC 15.247, RS210, Hazardous area CSA Class 1 Div 2
Mounting	DIN rail mounting
LED indication	Power/OK, Radio Rx and Tx, Radio Link, LAN Link/Activity, Serial Activity, Digital I/O, LAN 10/100Mbit Link
<b>Dimensions mm (in)</b>	115 x 141 x 32 (4.5 x 5.55 x 1.4)
Weight	< 0.4 kg / 0.8 lb
Radio Transceiver	Frequency Hopping Spread Spectrum
Frequency - USA/Canada	902 - 928 MHz
Hop Sequence	16 x 50
Transmit Power	0.1 – 1W (20 – 30 dBm) configurable
Receiver sensitivity	108 dBm @ 10-6 BER
Data rates	19.2, 57.6, 115.2, 230 Kb/s or auto rate selection
Protocol	CSMA/CA with 32 bit CRC and auto-correction
Radio range	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 coaxial
<b>Security</b>	128 bit AES encryption or 64 bit proprietary encryption (configurable) MAC filtering Password protected configuration
<b>Configuration</b>	HTTP with remote configuration via wireless link
<b>Diagnostics</b>	RSSI, channel noise, BER, connection monitoring and statistics
Ordering Data	
<b>Type</b>	<b>Part No.</b>
WI-MOD-9-E	6720005051