



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	1.2 to 115.2 Kb/s
RS485	1.2 to 115.2 Kb/s Serial server, PPP, Modbus to Modbus TCP conversion
Discrete I/O	
Input	One I/O channel Voltage-free contact
Output	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	-40 to 60°C (-40 to 140°F)
Humidity	99% non-condensing
Power Supply	10 – 30VDC
Current consumption	280mA (12V), 150mA (24V)
Transmit	(1W) 500mA (12V), 300mA (24V)
Approvals	FCC 15.247, RS210, Hazardous area 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
Dimensions mm (in)	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 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