


WI-MOD-E-G
Ethernet 2.4GHz


Technical Data	
Description: Ethernet	10/100 BaseT RJ45, IEEE 802.3 Bridge/router functions work with all Ethernet protocols
Embedded Protocols:	TCP/IP, UDP ARP, SNMP, RADIUS/802.1X, DHCP, DNS, PPP, ICMP, HTTP, FTP, TFTP, TELNET
Serial	1.2 to 230.4 Kb/s 1.2 to 230.4 Kb/s Serial server, PPP, Modbus to Modbus TCP conversion
RS232 V.24 DCE	One I/O channel (expandable with WI-I/O-EX-1-S-XX units)
RS485	voltage-free contact
Discrete I/O	FET 30VDC 500mA
Input	
Output	
Networking	Configurable as Access Point or Client, Bridge or Router Point-to-Point, Point-to-Multipoint, user configurable addressing WDS Mesh repeater functionality MAC Filtering – whitelist or blacklist. Serial gateway TELNET Modbus TCP/RTU Gateway
General Data	
Operating Temperature	-40 to +60°C (-40 to +140°F)
Humidity	99% non-condensing
Power Supply	9 – 30VDC
Current consumption	Idle: 12V-270mA; 24V - 140mA Transmit: 12V - 470mA; 24V - 250mA
Approvals	FCC Part 15.247, CE ETS 300 328, RSS 210, Hazardous area Class 1 Div 2, IEC 60950 pending
Mounting	DIN rail mounting
LED indication	Power / OK, Radio Rx and Tx, Radio Link, LAN link / Activity , Serial Activity, Digital I/O
Dimensions mm (in)	115 x 165 x 32 (4.5 x 6.5 x 1.4)
Weight	< 1 lb / 0.5 kg
Wireless	2.414 – 2.462GHz Direct Sequence Spread Spectrum (DSSS), 11 x 5MHz Channel Spacing 802.11b compliant, auto rate selection 1 - 54 Mb/s
Radio Transceiver	
Transmit Power	1 - 24Mb/s @ 400mW (+26dBm); -54Mb/s @ 125mW (+21dBm), dependent on local regulations
Receiver sensitivity	97dBm @ 1Mb/s, -74dBm @ 54Mb/s < 8% FER
Radio range	1km @ 100mW; 3 miles / 5km @ 400 mW Range may be extended using repeater features
Antenna connection: SMA female	Dual SMA female coaxial
Security	Data Encryption 64 / 128 bit WEP - WPA2 PSK - 802.11i - 802.1x MAC Address filtering; IP filtering; ARP filtering Password protected configuration
Configuration	HTTP with remote configuration via wireless link Web based system management - RF signal strength, Bit Error Rate, connection monitoring and statistics
Diagnostics	PPP Protocol Access to diagnostics Firmware upgradeable via serial port
Ordering Data	
Type	Part No.
WI-MOD-E-G	6720005054