C US C1D2

	WI-MOD-E-100 Ethernet 2.4GHz 100mW	WI-MOD-E-300 Ethernet 2.4GHz 300mW
Technical Data		
Description: Ethernet	10/100 BaseT RJ45, IEEE 802.3 Bridge/router functions work with all Ethernet protocols	10/100 BaseT RJ45, IEEE 802.3 Bridge/router functions work with all Ethernet protocols
Embedded Protocols:	TCP/IP, UDP ARP, PPP, ICMP, HTTP, FTP, TFTP, TELNET	TCP/IP, UDP ARP, PPP, ICMP, HTTP, FTP, TFTP, TELNET
Serial		
RS232 V.24 DCE	1.2 to 115.2 Kb/s	1.2 to 115.2 Kb/s
RS485	1.2 to 115.2 Kb/s Serial server, PPP, Modbus to Modbus TCP conversion	1.2 to 115.2 Kb/s Serial server, PPP, Modbus to Modbus TCP conversion
Discrete I/O	One I/O channel (expandable with WI-I/O-EX-1-S-XX units)	One I/O channel (expandable with WI-I/O-EX-1-S-XX units)
Input	voltage-free contact	voltage-free contact
Output	FET 30VDC 500mA	FET 30VDC 500mA
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	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
General Data		
Operating Temperature	-35 to 65°C (-30 to 150°F)	-35 to 65°C (-30 to 150°F)
Humidity	99% non-condensing	99% non-condensing
Power Supply	9 – 30VDC	9 – 30VDC
Current consumption	Current 240mA (12VDC), 150mA (24VDC)	Current 240mA (12VDC), 150mA (24VDC)
Approvals	FCC Part 15.247, CE ETS 300 328, RSS 210, Hazardous area Class 1 Div 2, IEC 60950	FCC Part 15.247, CE ETS 300 328, RSS 210, Hazardous area Class 1 Div 2, IEC 60950
Mounting	DIN rail mounting	DIN rail mounting
LED indication	Power / OK, Radio Rx and Tx, Radio Link, LAN link / Activity , Serial Activity, Digital I/O	Power / OK, Radio Rx and Tx, Radio Link, LAN link / Activity , Serial Activity, Digital I/O
Dimensions mm (in)	115 x 141 x 32 (4.5 x 5.6 x 1.4)	115 x 141 x 32 (4.5 x 5.6 x 1.4)
Weight	< 0.4 kg / 0.8 lb	< 0.4 kg / 0.8 lb
Wireless	2.400 – 2.484GHz Direct Sequence Spread Spectrum (DSSS), 13 selectable zones 802.11b compliant, auto rate selection 1 Mb, 2Mb, 5.5Mb, 11Mb	2.400 – 2.484GHz Direct Sequence Spread Spectrum (DSSS), 13 selectable zones 802.11b compliant, auto rate selection 1 Mb, 2Mb, 5.5Mb, 11Mb
Radio Transceiver		
Transmit Power	100mW (20dBm), dependent on local regulations	300mW (25dBm), dependent on local regulations
Receiver sensitivity	-96dBm @ 1Mb/s, -91dBm @ 11Mb/s < 8% FER	-96dBm @ 1Mb/s, -91dBm @ 11Mb/s < 8% FER
Radio range	1km @ 100mW Range may be extended using repeater features	3 miles @ 300mW Range may be extended using repeater features
Antenna connection: SMA female	Dual SMA female coaxial	Dual SMA female coaxial
Security	128 bit AES encryption (WPA2), TKIP (WPA1) or 40 bit / 140 bit WEP MAC Address filtering Password protected configuration	128 bit AES encryption (WPA2), TKIP (WPA1) or 04 bit / 140 bit WEP MAC Address 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	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	PPP Protocol Access to diagnostics Firmware upgradeable via serial port
Ordering Data	**Type** **Part No.**	**Type** **Part No.**
	WI-MOD-E-100 **6720005052**	WI-MOD-E-300 **6720005053**