

Wireless communication for USB, RS-232/422/485 and Ethernet



Plastic molding - Metal - Semiconductor - Food & Beverage - Pharmaceutical - Laboratory



Features Wireless Ethernet adaptor:

- 2 serial ports and one 10/100 ethernet port
- Selectable RS-232/RS-485/RS-422 serial mode by software
- Transparent between Ethernet to Wireless networking
- Up to 300m @12Mps in open areas.
- Support UDP, TCP server and client protocols for Virtual COM mode and pair connection
- Configurable via built-in web server and Windows-based utilities
- Metal housing and IP50 standard with DIN-Rail mounting
- 15KV ESD protection for serial ports
- IEEE 802.11g 54Mbps wireless network connectivity
- Standard 2.4GHz High-gain antenna



Features Wireless XBEE/Zigbee wireless module:

- Large input voltage range (5-30Vdc)
- Available for RS-232/RS-485/RS-422 serial communication
- RF data rate : 250.000 bps, serial speed : 1200-115K baud
- Transparent communication
- Indoor range : 100ft (30m), outdoor line-of-sight range :300ft (100m)
- MaxStream, 802.15.4 or ZigBee protocol
- Available as OEM or USB stick

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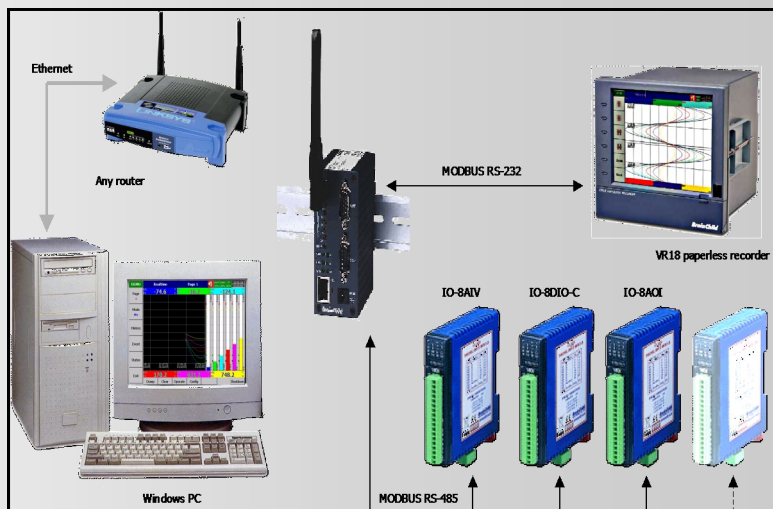
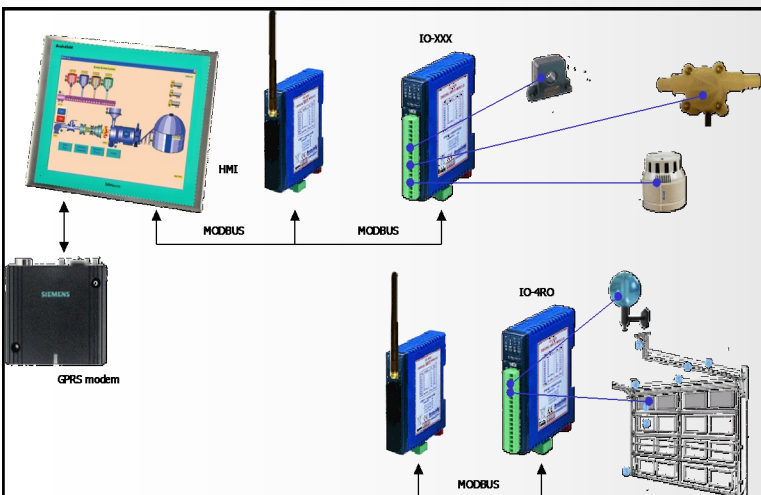
Specifications Wireless communication

Wireless Ethernet Adaptor

Power	9 ~ 48 VDC / 4.5W @ Tx mode
Ethernet	10/100 Mbits auto negotiation, connector RJ45
Serial	RS-232/422/485 software selectable
Communication	Baud Rate: 1200 ~ 921600 bps/ Data Bits: 7, 8/ Parity: None, Even, Odd, Space, Mark/ Stop Bits: 1, 2
Buffer size	TCP Rx = 8K bytes, TCP Tx = 16K bytes, RS-232/RS-485 = 4K bytes
Wireless	2.4Ghz compliance to IEEE 802.11b/g Standard, Modulation Type: CCK, DQPSK, DBPSK, OFDM (11g)
Security	WEP 64-bit/128-bit data encryption, WPA Compatible (TKIP/AES Encryption), WPA2-PSK
RF performance	54 Mbps (max.) with auto fallback, Transmission distance: Up to 300 meters @12 Mbps, in open areas
Interfaces	Reverse SMA for external antenna
Dimensions	45(W) X 75(D) X 90(H) mm

Wireless XBEE/Zigbee wireless module

Power	5 ~ 30 VDC
Serial	RS-232 or RS-422/485
Communication	Baud Rate: 1200 ~ 115000 bps/ Data Bits: 8/Parity: None, Even, Odd/ Stop Bits: 1, 2
Wireless network	Point-to-point, Point-to-multipoint, Peer-to-peer & Mesh
Wireless protocols	MaxStream, 802.15.4 (with or without ACKs) or ZigBee
Wireless addressing/security	PAN ID, 16 channels & addresses
RF performance	250.000 bps, up to 100m in line-of-sight
Interfaces	Reverse SMA, OEM U.FL connector (integrated whip or chip possible on request)
Dimensions	98(D)mm x 23(W)mm x 109(H)mm, OEM 66(L) X 51(W) X 15(H) mm



YOUR-

"Green begins when measuring"

(Subject to misprints)

<http://witd.walamo.com>