

Wireless 802.11b IO and RS232 /RS422 Transceiver Module

Technical Data

Features

- **Wireless Ethernet 802.11b or wired 10Base-T transfer of eleven (11) configurable IO lines + RS232 + RS232/RS422^(option)**
- **Supports Rijndael AES 256-bit encryption (point-point).**
- **4-24VDC supply voltage with reversal and over-current protection.**
- **Eleven (11) 0-30VDC tolerant TTL input lines.**
- **Eleven (11) 1A Sink/Source @ Vsupply output lines.**
- **One (1) RS232D high speed serial port (RTS/CTS).**
- **One (1) RS232D/RS422 configurable high speed serial port (soft flow).**
- **Internal Microcontroller socket, RTC (with battery backup), 64Kb EEPROM and 1Mb FLASH.**
- **Internally configurable to wireless IO only or multi-application with microcontroller upgrade.**
- **DIN rail enclosure with easily accessible terminals.**

Description

The WIOLink-802 module is a feature packed transceiver capable of transferring IO / RS232 and RS232/RS422 over a wireless 802.11b or wired 10Base-T Ethernet network.

Based on the Lantronix WiPort embedded device server (see WiPort datasheet for more information) the WIOLink-802, in its most basic form, can monitor up to eleven (11) inputs, such as switches, sensors, relay contacts etc., control up to eleven (11) outputs such as lights, relays, motors etc. or a combination of both. Additionally one (1) RS232D port, supporting hardware RTS/CTS handshaking, and one (1) configurable RS232D / RS422 (4wire) port, supporting software handshaking, are also provided.

For more complex applications the WIOLink-802 is also fitted with a PIC microcontroller socket, Real Time Clock (RTC) with battery backup, 64Kb EEPROM and 1Mb FLASH.

DS-WIO802(+)



This allows complex processing, control, IO mirroring, and logging applications to be developed to meet any customer requirement.

Applications

The WIOLink-802 has numerous applications within the following sectors: Security, Medical, Industrial Automation, Retail/POS, Building automation and control, IT and data management, audio visual control, signage etc.

Please contact your sales representative for more information on custom applications.

INTERFACE MODULES

Selection Guide

Description	Part Number
WIOLink-802 IO Transceiver Module (no RS232/RS422 ports)	DS-WIO802
WIOLink-802 IO Transceiver Module (inc. RS232/RS422 ports)	DS-WIO802+

All products are subject to availability; normal despatch is 10 working days following order date.
Note: Above products are not supplied with a PIC microcontroller.