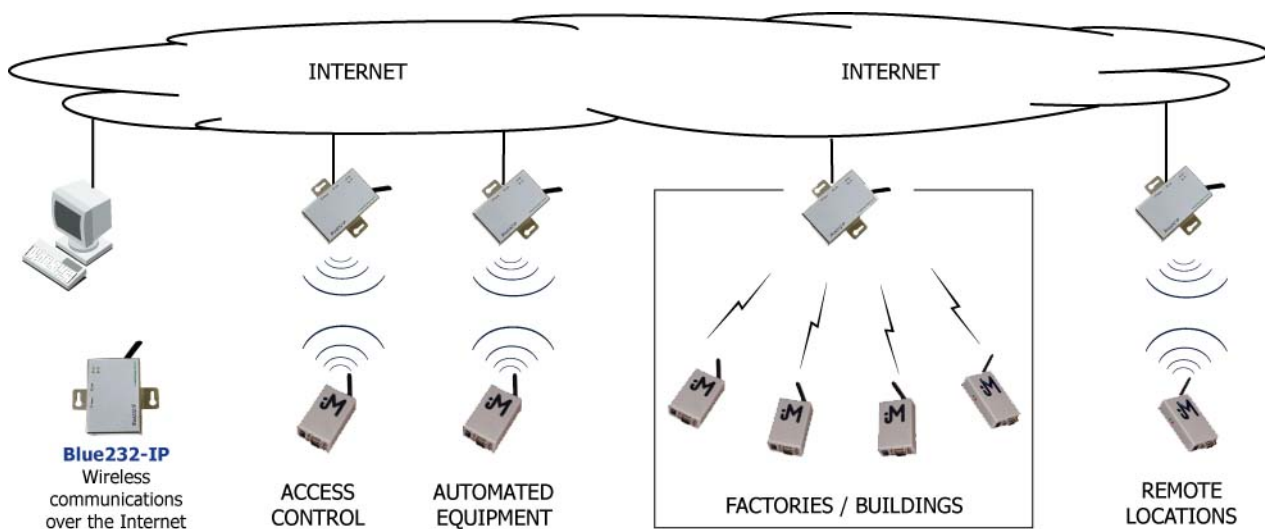


Blue232-IP

Blue232-IP enables you to set up a wireless RS232 environment in a remote location that can be accessed and controlled over the internet.



Blue232-IP Offers:

- Central communication / control via the internet
- Remote programmability
- High security
- Plug & play simplicity
- Eliminates wiring problems
- Uses existing LAN infrastructures



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HOW Blue232-IP WORKS

Blue232-IP is available in multiple configurations; from one master to one slave, up to one master to four slaves.

The **Blue232-IP** master plugs into the LAN/WAN and the slave(s) plugs into the remote equipment/computer. This creates a wireless connection between a control device and a remote device allowing control of the remote devices from anywhere in the world via the internet.

WIRELESS SECURITY

Each **Blue232-IP** module comes with built-in 128-bit encryption. In addition, Bluetooth utilizes a channel hopping scheme that transmits data over 79 channels @ 1600 times per second, making it virtually impossible to decipher

WIRELESS RANGE

Blue232-IP utilizes a Class 1 Bluetooth module with an output power of 100mW, which yields a range of 100 meters (328 ft) or more with a clear line of site. Range can be extended to well over 5 km.

A WINNING PROPOSAL

Given the right application, this product offers a multitude of advantages, including a substantial reduction in installation cost and an increase in flexibility, reliability and security. **Blue232-IP** utilizes Bluetooth technology to produce a winning solution for many different applications.

INNOVATION

Integrated Magnetics Inc is a secure wireless solutions provider, creating innovative wireless data communication products that meet and exceed the requirements of our customers.

TECHNICAL SPECIFICATIONS

COMMUNICATIONS

Blue232-IP provides a transparent RS232 wireless solution with an Ethernet interface. The serial portion offers 4 baud rate selections:

9,600 Baud	19,200 Baud
38,400 Baud	11,5200 Baud

SECURITY

- 128-bit encryption in each Bluetooth packet
- Device Authentication using Link Keys
- NSA Approved version available

ELECTRICAL

Primary Power	USB or 6-9Vdc selectable
Communications	Bluetooth wireless / TCP-IP
Frequency Range	2.402-2.480 GHz (using GFSK)
Channels Spacing	79 @ 1MHz intervals
Antenna Output	100 mW

MECHANICAL

Enclosure	2.00" W x 3.25"L x 0.75"H (51mm W x 83mm L x 20mm H)
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ENVIRONMENTAL

Temperature	0-70 °C operational
Humidity	0 to 95% RHNC

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