

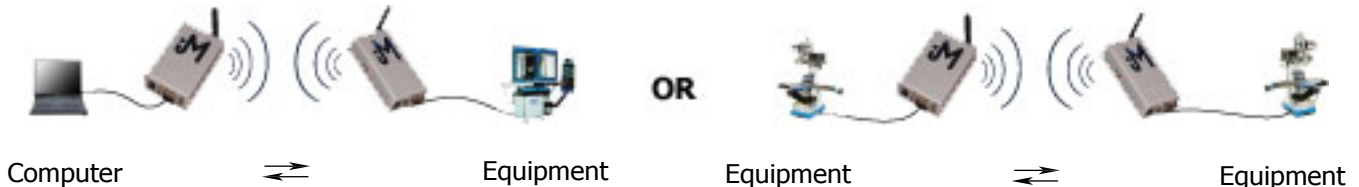
Blue232

Wireless Cable Replacement: Simply Plug & Play



Blue232 is the easiest way to convert your wired RS232 point-to-point requirements into a fully functional Bluetooth wireless connection.

Blue232 consists of a set of paired RS232 wireless modules that provides a full duplex, point-to-point RS232 connection between equipment to equipment or equipment to computer. **Blue232** requires no software or hardware modifications to your system. Simply plug & play. This highly secure, long range solution offers an inexpensive alternative to tangled serial cables.



Applications & Benefits

Enables wireless communications between:
Computer and computer
Computer and equipment
Equipment and equipment

Secure data transmission
Through walls - floors - ceilings
Quick & easy installation - no wires - no drilling - lower cost

HOW Blue232 WORKS

Blue232 is a plug & play device that provides a secure wireless point-to-point connection eliminating tangled serial cables. The two **Blue232** units are "paired" making installation fast and easy.

WIRELESS SECURITY

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

WIRELESS RANGE

Blue232 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** 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 provides a full duplex, seamless, point-to-point, wireless transmission using Bluetooth technology.

BlueReader provides a transparent wireless solution with 4 selectable baud rates:

9,600 Baud	19,200 Baud
38,400 Baud	115,200 Baud
Hardware flow control is supported	

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
Frequency Range	2.402-2.480 GHz (using GFSK)
Channels Spacing	79 @ 1MHz intervals
Antenna Output	100 mW

MECHANICAL

Enclosure	2.00" W x 43.25"L x 0.75"H, PVC Case (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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