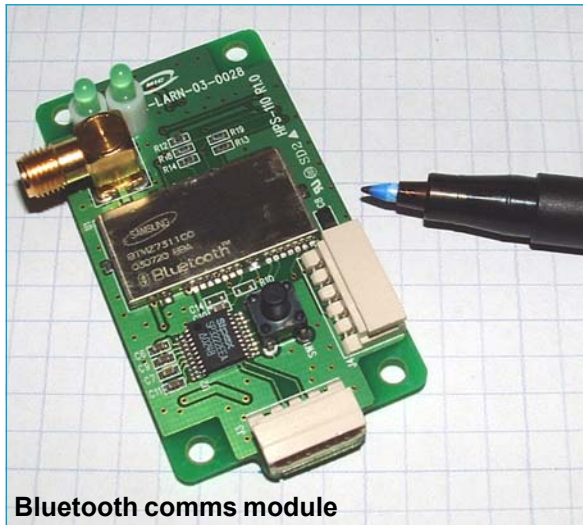


Bluetooth-based serial data link - wireless up to 100m



Bluetooth comms module

If you need to send serial data over long distances, you can save time and money with this Bluetooth-based wireless data link. RS232 and USB versions available.

For example, if you have a measurement device with RS232 output, and you want to send the value to a remote display, printer, PLC or other device, Bluetooth offers these valuable advantages...

No wiring needed between devices

- No cost of cable
- No cost of cable installation
- No risk of cable damage
- No cost of cable maintenance
- Covers inhospitable terrains
- Suits fixed, mobile and portable kit

Up to 100 metres between devices

- No cable-induced noise pickup

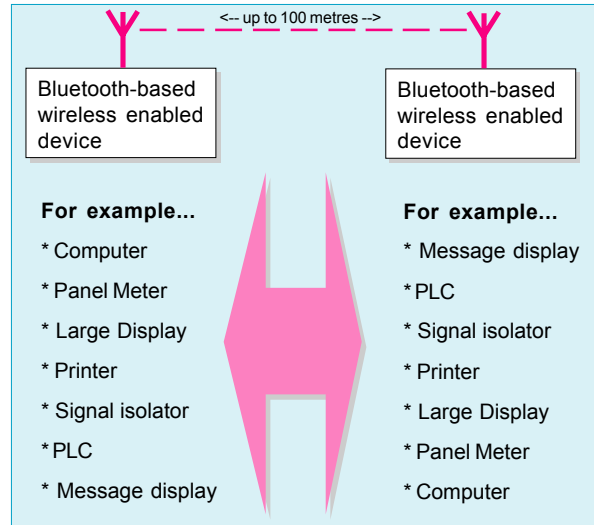
Superb immunity to Interference

- Frequency-hopping finds best channel
- Continuous data checking

Many devices can share same airspace

- 11 digit pin code for each device
- Point to point or multi-point

Truck-loading display, gets data from production office via Bluetooth wireless link. No wiring needed across busy truck marshalling yard. Instant results.



Specifications:

Standard	BlueTooth version 1.1
Distance	Up to 100m typical industrial environment
Frequency	2.4000 to 2.4835 GHz. frequency hopping
Hopping	1600 hops/Sec. 1MHz. channel spacing
Modulation	GFSK 1Mb/s 0.5BT Gaussian distribution
Antenna	2dBi standard. SMA connector for external
Transmitter	Typical 16 dBm power, class1
Receiver	-84dBm sensitivity typical
Signals	RS232 in / out or USB, depending on model
Data rate	From 1200 Baud up to 115.2 kBaud
Data format	8 bits, 1 stop bit, parity odd,even or none
Power	5 to 12VDC at up to 110mA
Environment	-20 to +76C non condensing

Options

- External antenna to extend range up to 300 metres
- Special housings to suit various environments.
- Discrete module plugs into a 9 pin D connector port.

Application Examples

Crane Weighing

Mount the loadcell and measuring instrument with Bluetooth transmitter on crane jib. Have display with Bluetooth receiver in operator's cab.

Production counting

Have Bluetooth-enabled production counter on production line, so operators can see their progress. Have Bluetooth-enabled remote display in production manager's office, so he can see progress at any time without having to go onto shop floor.

Road Speed display

Have speed sensors and Bluetooth-enabled speed measuring device on roadside. Have Bluetooth enabled large display further down road to inform driver of his speed.

Ask us for more information to suit YOUR application. We will be pleased to show you how you can save time and money with Bluetooth-enabled instruments.