

Designed for operation with IEEE 802.15.4/ZigBee Wireless Sensor Networks. The ZB103 can function as an end device, router or network co-coordinator. Applications range from simple cable replacements to remote control and monitoring of sensors, instrumentation and mobile plant

Features

- Supports mesh wireless networking and data routing
- Full ZigBee Stack
- 250kbps data rate
- Licence Free 2.4 GHz operation
- LED Indication
- Over the air programming
- 200m distance in free space with routing feature for extended site wide coverage



Specification

Wireless communications	IEEE802.15.4/ZigBee, 2.410- 2.485 GHz
Wireless Data Rate	Up to 250kbps
Serial Communications	RS232/422/485 – RJ45 Interface
Serial Data Rate	Standard baud rates to 230k4
Power Supply/Consumption	5V DC @ 100mA max. The unit can be powered with a 5V DC source over the serial interface
Protection	±15kV ESD, driver output short circuit protected, ±25V receiver inputs, ±13.2V driver outputs
LED Indicators	Power, TxD, RxD, Radio Message OK, Radio Message Fail
Enclosure	UL94 HB rated flammability, IP20
Environmental	-20°C - +40°C
General	CE, FCC Class B
Overall Dimensions	Casing excluding antenna - 81mm height x 96mm wide x 44mm depth

Compatible with ZB product family of wireless modules and handheld devices