

The ZB110 ZigBee wireless keypad is a multifunctional device designed for a wide variety of applications in logistics, personnel tracking and asset management. The ZB110 is available in a choice of enclosures and features a customisable keypad with up to 6 key. Options include an internal programmable electronic accelerometer to activate remote notification when movement is detected

Features

- Designed for operation with IEEE 802.15.4 Wireless Access Points & Sensor Networking
- True System on Chip Solution (SoC)
- Industry leading CC2420 RF Transceiver
- ZigBee™ compatible hardware
- Keypad (1- 6 User Defined)
- Accelerometer optional
- Temperature / Humidity sensor - optional
- LED Indication
- Internal Sounder - optional
- Built in position location engine - optional
- Can wake up on event driven basis or regular reporting intervals



Specification

Processor	Industry standard 8051 MCU, 32 MHz, 8 bit Microcontroller
Memory	8kB RAM, 128kB Flash, Optional SPI memory (up to 2Mbyte)
Wireless Communications	2.4 GHz IEEE 802.15.4 RF transceiver (Optional Location Engine)
Power	2 x Lithium Coin Batteries each 3V, 560mAh
Keypad	Single button standard with options for up to 5 (built to order)
Internal Sounder	Piezo transducer: 4kHz, 70dB @ 10cm
Accelerometer	Tri-axis, ±2, ±4 or ±8g, programmable, tilt, motion and shock vibration . Ultra-low power 1µA in sleep mode, fast wakeup.
Temperature / Humidity Sensor	-40° to 120°C (±0.5 °C @ 25 °C), 0 to 100% RH (±3.5 accuracy)
LED Indication	Tricolour red, green, yellow for transmission diagnostics
Enclosure	UL94 HB rated flammability, IP45
Operating Temperature	-20°C - +55°C
Operating Distance	Nominal 60m in free space
Dimensions	70mm length x 45mm wide (55mm overall width)