

BLE Ex ia Wearable

Bluetooth Low Energy Intrinsic Safe Wearable Powered by Quuppa

The Quuppa Intelligent Locating System allows you to locate and track any objects equipped with Quuppa Tags in an environment equipped with Quuppa Locators. For mining applications such as Shaft Clearance, Blast Clearance and Personnel-in-Distress is some of the capabilities that can be achieved with the Quuppa Intelligent Locating System.

Specifications

Radio	nRF52832 Bluetooth SoC by Nordic Semiconductor
Radio Transmission	Bi-directional
Number of Channels	81 Channels (1 MHz), only one at a time
Carrier Frequencies	2401 2402 ... 2480 2481 MHz
Modulation	GFSK
Max Output Power	2.5mW
Antenna	Integrated printed IFA antenna with 0 dBi gain
Dimensions	26.6 mm x 24.5 mm x 1.7 mm
Weight	42 grams
Operating Temp	-30°C ... +85°C
Storage Temp	-30°C ... +85°C
Power Supply	Renata CR2477N 3VLithium Ion Coin Cell Battery
Certifications	CE, FCC, IC, Japan Radio Law, Korea
Functionality	Tactile Push Button LED Accelerometer
Intrinsic Safe Classification	Ex ia I Ma Ex ia IIB T4 Ga
IP Rating	IP67, NEMA 4X, 12, 13

Certifications

EMC Approval	SANS 61000-3-3, SANS 61000-4-2,3,4,5,6,8,9,11
IECEX Approval	IECEX ICS 23.0001x

