



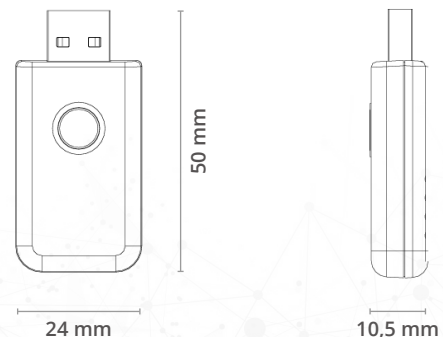
insoft Locator Node Dongle

The insoft Locator Node Dongle uses Bluetooth Low Energy (Bluetooth 5) to locate people and assets. It also acts as a gateway for infrastructure components like insoft Locator Beacons and E-Ink Display hardware. It communicates with the network via Wi-Fi. Any USB power supply, such as access points or monitors, can power the insoft Locator Node Dongle. This ensures easy and simple installation and, as needed, expansion or redensification. When compared to alternative solutions, the low installation and maintenance costs result in significant reductions in the total costs when using the insoft Locator Node Dongle.

BASIC SPECIFICATIONS

Dimensions:	50 x 24 x 10.5 mm (LxWxH)
Weight:	9 g
Material:	ABS
Color:	White
Sensors:	Bluetooth Low Energy (BLE) 5
Network Connection:	Wi-Fi
Power Supply:	USB powered (DC 5 V/1 A)
LED:	Power status, network status, and OTA updating indicator
Working Temperature:	-20°C to +55°C
Firmware Update:	OTA
Certification:	CE, FCC
Unit Price:	€90

€90



TECHNICAL SPECIFICATIONS

Bluetooth Version: Bluetooth® LE 5.0

Bluetooth Frequency: 2.4 GHz

Bluetooth Modulation: GFSK

Bluetooth Bandwidth: 1 Mbps, 2 Mbps

Receiving Sensitivity: -96 dBm @ 1 Mbps, 30.8% PER
-93 dBm @ 2 Mbps, 30.8% PER

Numbers of Received Broadcast Packets: About 70 packets/second

Scan Coverage: About 70 meters of coverage radius (open area)

POWER CONSUMPTION (with 5 V Input)

Average current: 104 mA under working condition

Maximum current: 411 mA

Average power consumption: 0.52 W

Maximum power consumption: 2.05 W

WI-FI SPECIFICATIONS

Wi-Fi Protocols: IEEE 802.11 b/g/n

Wi-Fi Frequencies: 2.4 - 2.4835 GHz

Emitting Power: 20.5 dBm (typical) @ 802.11b, 1, 11Mbps
20.0 dBm (typical) @ 802.11g 6 Mbps
20.5 dBm (typical) @ 802.11g 54 Mbps

Data Transfer Speed: 11b: 1, 2, 5.5 and 11 Mbps (20 MHz)
11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
11n: MCS0-7, 72.2 Mbps (Max)

Data Transfer Speed: 11n: MCS0-7, 15 Mbps (Max) (40 MHz)

Transfer Speed: 1T1R 150 Mbps

Receiving Sensitivity: 802.11b, 1 Mbps: -98.0 dBm (typical)
802.11b, 2 Mbps: -96.0 dBm
802.11b, 5.5 Mbps: -93.0 dBm
802.11b, 11 Mbps: -88.6 dBm
802.11g, 6 Mbps: -92.8 dBm
802.11g, 9 Mbps: -91.8 dBm
802.11g, 12 Mbps: -90.8 dBm
802.11g, 18 Mbps: -88.4 dBm
802.11g, 24 Mbps: -85.4 dBm
802.11g, 36 Mbps: -82.0 dBm
802.11g, 48 Mbps: -77.8 dBm
802.11g, 54 Mbps: -76.2 dBm
802.11n, HT20, MCS0: -92.6 dBm
802.11n, HT20, MCS1: -90.6 dBm
802.11n, HT20, MCS2: -88.0 dBm
802.11n, HT20, MCS3: -84.8 dBm
802.11n, HT20, MCS4: -81.6 dBm
802.11n, HT20, MCS5: -77.4 dBm
802.11n, HT20, MCS6: -75.6 dBm
802.11n, HT20, MCS: -74.4 dBm
802.11n, HT40, MCS0: -90.0 dBm
802.11n, HT40, MCS1: -87.6 dBm
802.11n, HT40, MCS2: -84.8 dBm
802.11n, HT40, MCS3: -81.8 dBm
802.11n, HT40, MCS4: -78.4 dBm
802.11n, HT40, MCS5: -74.2 dBm
802.11n, HT40, MCS6: -72.6 dBm
802.11n, HT40, MCS7: -71.2 dBm

Modulation Mode: BPSK/QPSK/16QAM/DBPSK/DQPSK/CCK

Network Protocol: MQTT (SSL/TLS)/HTTP

Imprint

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