



MK5 XBU

Cohda Wireless' 5th generation market ready Mining Unit

Built specifically for mining operations, our MK5 XBU can be deployed on vehicles or as fixed infrastructure. It is also available as a reference design for mining equipment developers.

The MK5 XBU is based on our MK5 OBU and RSU products, ruggedised for the harsh conditions of underground mining operations. Its communication range is outstanding, and it can determine its location precisely, even deep underground.

To improve safety as well as productivity, the MK5 XBU can provide ranging to people via personnel tags, and it can be remotely configured to minimise the need for on-site personnel.

MK5 XBU Specs

Text Standard Conformance

IEEE 802.11- 2012
 IEEE 1609 - 2016
 ETSI ES 202 663
 SAE J2735 – 2016
 CE and FCC compliant

Bandwidth

10 MHz

Data Rates

3 - 27 Mbps

Operating System

Linux 4.1.15

Antenna Diversity

CDD Transmit Diversity
 MRC Receive Diversity

Receiver Sensitivity

-100 dBm @ 3 Mbps

Environmental Operating Ranges

-40°C to +85°C

Frequency Band

5.9 GHz

Max Tx Power

+26 dBm EIRP

GNSS

2.5 m Best-In-Class Accuracy

Mobility & Multipath Tolerance

Doppler Spread: 800 km/hr
 Delay Spread: 1500ns

Dimensions

210 x 165 x 67 mm

Power Supply

12/24V



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