



> MAXI READER | FT05 DCH

- > IP65 protection – water and dust resistant
- > Sub-meter location accuracy: up to 30 cm
- > Wide area coverage
- > Rich options: built in alarm siren, temperature, humidity and gas sensors
- > Back-up battery that lasts
- > 6 hours without external power

Ideal for high precision applications with up to 30 cm location accuracy

The vital piece of Litum IoT UWB mesh network. Locates Litum IoT tags with sub-meter accuracy level. Adjustable RF output from 2 dBm to 18 dBm. Thousands of readers can operate seamlessly, covering large areas. Provides cost-efficient installation with minimal wiring: Requires power connection only

Ideal for applications at:

- Manufacturing facilities
- Warehouses
- Airports
- Mines
- Sea ports
- Dock yards
- Construction sites
- Retail stores
- Offices

ADVANTAGES

Automated network discovery and connection
Operates 6 hours during power outages, ensuring maximum safety
Reliable and high speed communication
No interference with surrounding equipment that work with RF
Secure communication with 128 bit AES
Remote software update feature permits forward compatibility for future developments

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OPERATING SPECIFICATIONS

• Data Communication	RF
• Operating method	TOF, TDOA, RSSI
• Coverage	High Accuracy Mode: Up to 200 m outdoors, 120 m mines, tunnels, 30 m indoors Regional Mode: Up to 700 m outdoors, 200 m mines, tunnels, 60 m indoors
• Reading speed	100 Tags / sec std
• LED indicators	Power, Signalling
• Frequency	2.4 GHz standard / 5 GHz high precision
• Antenna type	2 dBi, 5 dBi, 7 dBi
• RF Power	0 dBm - 18 dBm
• Protocol	IEEE 802.15.4—IEEE 802.15.4 a WPAN
• Security	128bit AES Optional

PHYSICAL SPECIFICATIONS

• Dimensions (LxWxD)	262 x 183 x 55 mm (10.31 x 7.2 x 2.17 in)
• Weight	800 g (28.22 oz)
• Operating Temperature	-20 / +70°C [-40 / +85°C optional]
• Relative Humidity	0 to 95% non-condensing
• Environmental protection	IP65
• Vibration resistance	3g
• Casing	ABS
• Battery	Li-ion 3400 mAh Backup Battery
• Backup Battery Life	6 Hours

OTHER

• DC Supply	5V 500 mA, 12-36V DC (Optional)
• AC Supply	220V
• Certification	CE
• Remotely Upgradeable Firmware	Yes
• Comm. Interface	RS-232 Optional, RS-485 Optional, UDP Optional, TCP-IP Optional
• I/O Interface	2 x Relay Input/Output
• Sensors (Optional)	Motion, Temperature, Humidity, Light, Multiple Gas Sensors

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