

FT-05DCH ——— PRECISE LOCATION BASED INDUSTRIAL ANCHOR

It is the reader and transmitter unit of system.

It transmits data received from mobile tags and anchors in coverage area to Wipelot gateway over Wipelot wireless communication network.

It allows determining locations of Wipelot mobile tags with sub-meter accuracy.

It can be integrated with analog and digital sensors.

It does not require network connection as it transmits data wirelessly.

It automatically finds and connects to Wipelot wireless communication network in the area.

ACTIVE USED SECTORS

- Agriculture
- Construction
- Production
- Health
- Mining
- Automotive
- Logistics
- White Goods

**APPLICABLE MODULES**

- Real Time Person/Equipment Tracking System
- Social Distancing System
- Lone Worker System
- Safezone Collision Avoidance System

GENERAL FEATURES

- Precise distance measurement with UWB
- 2 notification led
- Audio and visual notification in case of alarm
- Battery operation during power outages
- Easy installation with mounting handle
- Remote firmware update

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TECHNICAL FEATURES	
Data Communication	RF, UWB
Working Method	TOF, RSSI
Range	200 meters in open areas 40 - 100 meters in mines and tunnels 30 meters in closed areas
Sampling Rate	100 tags per second
LED Indicators	Power, Wireless Communication
Sensors	-
Communication Frequency	2.4 GHz Standard / 4.24 - 4.74 GHz UWB
Antenna Type	2dBi, 5dBi, 7dBi
RF Power	0 dBm - 22 dBm
Protocol	IEEE 802.15.4 - IEEE 802.15.4 a WPAN
Security	128 bit AES (optional)

PHYSICAL FEATURES	
Dimensions	262 mm x 183 mm x 66 mm
Weight	800 g
Working Temperature	0 C / 70 C
Relative Humidity	0 - 95%, non-condensing
Protection Class	IP65
Shock Resistance	3g
Case	ABS
Battery	Li-ion 2900 mAh
Estimated Battery Life	10 hours

OTHER FEATURES	
DC Operating Voltage	12-36V DC (opsiyonel)
AC Operating Voltage	220V AC
Remote Firmware Update	Yes
Communication Interface	RS-232 (optional), RS-485 (optional), TCP-IP (optional)
I/O Interface	4 relay output, 1 dry contact input
Certification	CE



NEW GENERATION INDUSTRIAL IoT & RTLS SOLUTIONS

Real time equipment, employee,
vehicle location and status tracking
in industrial environments

**Make better operational
assets, secure equipments,
and smarter tools**

Increase overall operational efficiency and
make your workplace safer with Wipelot IoT



Asset & Equipment Monitoring

Track real time status and location of motorized
or non-motorized vehicles and equipments



Employee Monitoring

Track employee locations with centimeter
sensitivity both indoor and outdoor



Work Safety

Prevent forklift-to-employee collisions,
monitor a person's instant actions such as
free falling, stop moving or fainting



Monitoring Environment Parameters

Monitor gas, dust, temperature-humidity-light
levels wirelessly

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