

**AR-002HLR ————— PRECISE LOCATION BASED INDOOR 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 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
- Health
- Production
- Automotive
- Logistics
- White Goods

**APPLICABLE MODULES**

- Real Time Person/Equipment Tracking System
- Social Distancing System

**GENERAL FEATURES**

- Precise distance measurement with UWB
- 1 notification led
- Remote firmware update
- Slim stylish design

**AR-002HLR** ————— **PRECISE LOCATION BASED INDOOR ANCHOR****TECHNICAL FEATURES**

Data Communication	RF , UWB
Working Method	TOF, RSSI
Range	30 meters in closed areas
Sampling Rate	100 tags per second
LED Indicators	Power, Wireless Communication
Sensors	-
Communication Frequency	2.4 GHz Standard
Antenna Type	2.8dBi
RF Power	0 dBm - 22 dBm, -41.3 dBm/MHz
Protocol	IEEE 802.15.4 - IEEE 802.15.4 a WPAN
Security	128 bit AES (optional)

**PHYSICAL FEATURES**

Dimensions	150 mm x 150 mm x 26 mm
Weight	200 g
Working Temperature	0 C / 60 C
Relative Humidity	0-%95, non-condensing
Protection Class	IP54
Shock Resistance	3g
Case	ABS
Battery	-
Estimated Battery Life	-

**OTHER FEATURES**

DC Operating Voltage	5V DC (optional)
AC Operating Voltage	-
Remote Firmware Upgrade	Yes
Communication Interface	RS-232 (optional), RS-485 (optional), TCP-IP (optional)
I/O Interface	1 relay output
Certification	CE, FCC





# 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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