exafore

X1

Exafore UWB Positioning System Base Station

Applications

- **Asset tracking**
- **Remote 3D tracking and guidance of personnel**
- **Tool tracking**
- **User identification**
- **Collision avoidance of industrial vehicles**
- **Proximity detection**
- **Dynamic range measurement**

General Description

Exafore X1 is an easy-to-install infrastructure component for Exafore UWB Positioning System. It is equipped with Ultra-wideband (UWB) radio and Power-over-Ethernet (PoE).

Benefits

- Accurate Round-Trip-Time (RTT) distance measurement with tags
- Flexible positioning system topology with Master and Slave base stations
- Single HW version supports Master/Slave operation through SW configuration
- Minimal cabling requirements: only Master stations need Ethernet connection to EXL server
- Automatically detects all tags in the operational range
- Two-way communication enables message delivery to tags

Product Features

- 1Hz positioning
- 100BASE-TX Ethernet port
- UWB communication between Base Stations
- 90-meter Base Station to Base Station range
- IP40 certified
- Power supply options
  - IEEE 802.3af Power-over-Ethernet
  - USB 2.0, max 1.5A current
- LED indication for BS activity
- Inertial sensor for detecting accidental movement
- Holder using 4x30 TX15 screws for easy attachment
- Weight: 210 g with holder
- LWH: 203x75x56 mm with holder
- Operating temperature: 0°C to +70°C
- Storage temperature: -40°C to +85°C
- Certified use of the radio spectrum: 2014/702/EU and ETSI EN 302 065-2 compliant
- EN 62368-1 compliant
- RoHS compliant

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