

Anchor

RTLS Base Station

- **UWB location**
- **Ethernet connection**
- **Chain connection supported**

Receivers placed in fixed positions. At least 4 of them are required for 3D localization. Power supply is 2W, 48-57 V DC. Powered from Clock distributor or Repeater. Maximum distance between anchors should not exceed 50 meters. The distance depends on the type of environment (obstacles). The optimum height for placement is at least about 3 meters over maximum tag elevation. They can receive tag signals from more than 70 meters in line-of-sight propagation conditions. Anchors are communicating with the server via Ethernet cable CAT5. One connection cable with synchronization, Ethernet, PoE. Anchors have built-in Ethernet switch and work in chains (up to 5 anchors in chain). Anchors are closed in IP67 rated enclosures.

Main features:

- One cable connection (Ethernet, power, synchronization)
- Power PoE 48-57 V, 40 mA
- Cable length up to 100 m
- Tag reading range up to 50m, IP67 rated enclosure
- Compliant with international UWB standard, IEEE 802.15.4-2011



Dimensions	150x70 mm
Power consumption	2 W
Radio Range	up to 70 m
Placement	Indoor/Outdoor



Connection	<ul style="list-style-type: none"> • One cable • Ethernet • PoE • Synchronization
Chain	<ul style="list-style-type: none"> • Up to 5 anchors in chain
Antenna	<ul style="list-style-type: none"> • Omnidirectional • 70 m Range