WiTTRA UWB-1.0 Click-On (Ultra Wide Band)

The UWB-1.0 is a click on module for the Wittra Sense360 asset tag. Click it on and it will enable accurate positioning of the tag down to a few decimeters in 2D or 3D, wherever the corresponding UWB anchor points are installed. Enables true RTLS use cases (asset tracking in mining, warehouses, factories etc).

Ready...

- High accuracy positioning suitable for indoor use cases
- Small, rugged mechanics sealed to IP67
- Certified for global regions, ready for field deployment
- Compliant to IEEE802.15.4z-2020

Set..

- Tag automatically recognizes the de-vice on initial connection
- UWB-1.0 parameters can be set on the portal (blink rate etc)
- UWB anchor points use WiTTRA sub-GHz mesh for backhaul
- "Zero data cabling" network infra-structure - low installation cost
- Single point connection to entire network – low IT maintenance cost

Go...

- WiTTRA web console will show the tag location on the map GUI
- Real time asset visibility, plus live sen-sor data
- Scalable to tens of simultaneous updates per second
- Battery-efficient UWB CBR mode for coexistence in dense setup

Specification	
Size	34.5x42.5x15.5 mm (L x W x H)
Weight	14 g
Ambient Operating Temperature	-10°C to +60°C
Environmental Rating	IP67
Mechanical Impact Rating	IK06
Physical Interface	Micro-B USB
UWB Radio Channels	Ch.5 (6489.6MHz) & Ch.9 (7987.2MHz)
Radio Standard	IEEE802.15.4z-2020 UWB
UWB Operating Modes	TWR, TDoA-uplink or CBR
Data Rate	850 kbps and 6.8 Mbps
Power Supply	5V from micro-USB or from Sense360
Sleep current	25uA
Regulatory compliance	ETSI/CE and FCC

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General note:
All data sheets are subject to change without notice.