

TagLOC System

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Anchor Versions



Serial Number	607 0253	607 0254
Operating conditions	-20°C to +60°C 20-85% of humidity without condensation	
Power supply	PoE 802.3af or DC 48V (passive PoE)	
Size in mm	212 x 190 x 36 (without RJ45 lock connector)	170 x 96 x 45 (without Cable Gland)
Weight in grams	390	150
Power requirements in Watts	2.5	
IP rating	IP65	
UWB antenna	Directional CH5	Omnidirectional CH5
UWB Radiated power	CH5 6.5 GHz -41.3 dBm/Hz	
Environmental usage	Industrial Warehouse Manufacturing Retail Sports Tracking Livestock	
Warm-up time	Immediate	

Tag Versions



Name	LOCU Battery Advanced	LOCU Rechargeable Advanced	LOCU Power IMU Basic
Serial Number	101-0100	101-0110	111-0020
Operating conditions	Indoor -20°C....+60°C 20%...85% humidity without condensation		
Power Supply	Coin Battery CR2477 1000 mAh	Rechargeable Li-pol 300 mAh, Wireless charging	External DC 7 - 35 V
UWB	Channel 5, Band: 6240 MHz - 6748 MHz Centre Frequency 6489.5 MHz		
NFC	13.56 MHz		
Push Button	✓	✓	✗
Size in mm	90.2 x 42.9 x 23.2	90.2 x 42.9 x 17.5	90.5 x 42.9 x 23.2
Weight in grams	50	45	43
Sensors	3-axis accelerometer		3-axis accelerometer 3-axis gyroscope 3-axis magnetometer
Charging	n/A	Charging temperature between 0°C and 45°C only Qi compliant charger Charging time around 5.5 hours (75 mA) ¹	External 7-35 VDC ² , Power 1W

Server Specs

Installation Size	CPU Model	CPU (Cores/Threads)	CPU Single Thread Rating	CPU Rating	Recommended RAM
< 10 Anchors, < 10 Tags with 100 ms RR	Intel Celeron G1610T	(2/2)	1241	1341	4 GB
> 10 Anchors, > 50 Tags with 100 ms RR	Intel Xeon E5-2609 v3	(6/6)	1115	4778	8 GB
> 100 Anchors, > 50 Tags with 100 ms RR	Intel Xeon E-2136	(6/12)	2756	13564	16 GB
> 200 Anchors, > 200 Tags with 100 ms RR	AMD EPYC 7313P	(16/32)	2736	42057	32 GB
> 500 Anchors, > 200 Tags with 100 ms RR	AMD EPYC 7452	(32/64)	2290	53478	64 GB