

# GT-130

## UWB Tag - Badge Type



- ✓ IEEE 802.15.4a UWB
- ✓ SOS alert
- ✓ BLE 5.0
- ✓ Vibration, Buzzer
- ✓ IPX6
- ✓ RFID

## Specifications

### Mechanical & Environmental

<b>Standard</b>	<ul style="list-style-type: none"> <li>• IEEE802.15.4a</li> <li>• BLE 5.0</li> </ul>
<b>Size (mm)</b>	88 x 56 x 9.1
<b>Weight (g)</b>	40
<b>Power Requirement</b>	+5V DC-in w/ Magnetic Charging Cable
<b>Power Consumption</b>	< 1W (Instant)
<b>Battery Life</b>	<ul style="list-style-type: none"> <li>• ToF: 2+ months@1Hz w/ smart sleep</li> <li>• TDoA: 3+ months@1Hz w/ smart sleep</li> </ul>
<b>Blink Rate</b>	0.1 ~ 20Hz (Adjustable)
<b>LED</b>	Three Color LED: <ul style="list-style-type: none"> <li>• Red Flicker: Low Power Status</li> <li>• Green Flicker: Flash while uwb is working</li> <li>• Blue Flicker: Charging Status / BLE connecting mode</li> <li>• Blue Light: Charging Full</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Operating: -20°C ~ 60°C</li> <li>• Storage: -30°C ~ 70°C</li> </ul>
<b>Humidity</b>	• 40°C @ 95% Relative Humidity, Non-condensing
<b>IP Rating</b>	IP X6
<b>Functions</b>	<ul style="list-style-type: none"> <li>• SOS alert</li> <li>• Vibration</li> <li>• Buzzer</li> <li>• Smart Rest Mode</li> <li>• RFID</li> </ul>

### UWB

<b>Frequency</b>	<ul style="list-style-type: none"> <li>• Low Band: 3.5GHz ~ 6.5GHz (CH2/CH3)</li> <li>• High Band: 6.5GHz ~ 8GHz (CH5/CH9)</li> </ul>
<b>Physical Rate</b>	<ul style="list-style-type: none"> <li>• 110 Kbps</li> <li>• 850 Kbps</li> <li>• 6.8 Mbps</li> </ul>
<b>Channel Frequency Width</b>	500 MHz
<b>Working Mode</b>	<ul style="list-style-type: none"> <li>• ToF</li> <li>• TDoA</li> </ul>

### BLE

<b>Frequency</b>	2400MHz ~ 2483.5MHz
<b>Physical Rate</b>	2 Mbps