

# DQ56

## Bluetooth Tag



DQ56 is a rugged, low-profile IP67-rated Bluetooth tag ideal for low-cost monitoring of assets without using a SIM card. Paired with a Bluetooth Gateway such as [DQ51](#), the DQ56 Tags are ideal for tracking pallets, boxes, tools, rental equipment, inventory control and temporary tracking.



- Up to 5 years battery life
- Rugged IP67 water and dust proof housing
- Easy to install and conceal
- **Optional** 3D accelerometer to detect High-G incidents
- Bluetooth 4.2 for ranges up to 100m as standard
- **Optional** +19dBm high power Bluetooth 5 for range up to 500m

## APPLICATIONS



Non-powered  
asset tracking



Asset  
location



Pallets &  
boxes



Security of  
assets



Low-value  
asset tracking

# DQ56 Bluetooth Tag

## Technical Specification



MECHANICAL SPECIFICATIONS	
<b>Low-profile IP67 rugged housing</b>	The IP67 rated waterproof housing is made of sturdy ABS/Polycarbonate plastic to survive bumps, knocks and years of exposure to the sun and weather.
<b>Dimensions</b>	L 80 X W 40 x H 18 mm
<b>Operating Temperature</b>	-20°C to +60°C <sup>1</sup> <small>1 Temp spec is for the board and housing. To operate in extreme temperatures 1.5V Lithium batteries must be fitted.</small>
POWER	
<b>Batteries</b>	2 x AAA 1.5V Batteries
<b>Battery Life</b>	Up to 5 years when using Bluetooth 4.2
CONNECTIVITY	
<b>Network</b>	Bluetooth 4.2 as standard Bluetooth 5 optional
<b>Range</b>	Bluetooth 4.2 up to 100m Bluetooth 5 up to 500m if the optional BLE5 module is fitted (+19dBm option). If fitted, this option gives reduced battery life.
OTHER	
<b>3-axis accelerometer</b>	<b>Optional</b> The 3-axis accelerometer allows the DQ56 to 'sleep' in an ultra-low power state yet still wakeup when movement occurs. The accelerometer can also be used to detect extreme G-Force events such as an accident or abuse of the asset, for example dropping a container
<b>Data</b>	Beacon signal transmits <ul style="list-style-type: none"><li>• Device serial number</li><li>• Battery voltage</li><li>• Transmit power (used with RSSI for range estimates)</li><li>• Temperature</li><li>• Other formats can be accommodated</li></ul>