

Hardware Roadmap

BATTERY-POWERED ASSET TRACKING

CELLULAR (LTE-M/NB-IoT)

October 2021



New Product
Edge Technology



	Yabby3 GPS	Oyster3	Remora3	Yabby Core (Evaluating)	Yabby Edge	Oyster Edge
Specifications	Compact and ultra-rugged asset tracker	Ultra-rugged asset tracker	Ultra-rugged asset tracker and Bluetooth® Gateway	Compact and ultra-rugged asset tracker (no GNSS)	Compact and ultra-rugged Indoor/Outdoor asset tracker	Ultra-rugged Indoor/Outdoor asset tracker and Bluetooth® Gateway
Example Use Cases	Small equipment, Bins/Containers	Equipment, Vehicles, Bins/Containers - Everything!	Large equipment, Trailers, BLE tag/sensor monitoring, Cold Chain	Lowest cost asset tracking with lower precision	Supply Chain, Logistics, Pallets, Carts/Trolleys, Equipment, Livestock	Yabby Edge + BLE tag/sensor monitoring, Cold Chain
Environment	Outdoor	Outdoor	Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
GNSS	Full	Full	Full	/	GNSS Scanning	GNSS Scanning
**Wi-Fi MAC Address Scanning	/	/	/	Yes	Yes	Yes
Cell Tower Location	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
*Battery Life (Daily)	10+ Years	10+ Years	10+ Years	10+ Years	10+ Years	10+ Years
*Battery Life (Movement-Based)	5 Years	7 Years	10+ Years	5 Years	4 Years	7 Years
*Battery Life (Hourly)	1.5 Years	3.5 Years	10+ Years	2 Years	2 Years	4.5 Years
Bluetooth®	/	/	Bluetooth 5.2 Gateway	/	/	Bluetooth 5.2 Gateway
Cloud-Based Location	/	/	/	Yes	Yes	Yes
Location Precision	High	High	High	Medium	Med-High	Med-High
Batteries	3 x AAA Lithium	3 x AA Lithium or Lithium Thionyl Chloride (LTC)	2 x D Lithium Thionyl Chloride (LTC)	3 x AAA Lithium	3 x AAA Lithium	3 x AA Lithium

⚠ * Battery life estimates are influenced by several factors including temperature, installation location and orientation of the device, the frequency of location updates, network coverage, sensor integrations, peripherals, accelerometer settings, and more. Battery life calculators are available at support.digitalmatter.com.
 ** Wi-Fi Positioning Systems are used for indoor localization where GPS is not available, devices do not connect to Wi-Fi for data transfer.

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