

Device Comparison

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Battery-powered

	Yabby3	Oyster3	Remora3	Yabby Edge	Oyster Edge
Connectivity	LTE-M (Cat-M1) and NB-IoT	LTE-M (Cat-M1) and NB-IoT	LTE-M (Cat-M1) and NB-IoT	LTE-M (Cat-M1) and NB-IoT	LTE-M (Cat-M1) and NB-IoT
Example Use Cases	Small Equipment, Packages and Deliveries, Supply Chain, Logistics, Pallets, Carts, Trolleys, Livestock	Equipment, Bins, Containers, Supply Chain, Logistics, Wildlife	Large Equipment, Trailers, Supply Chain, Logistics, BLE Tag and Sensor Monitoring	Small Equipment, Packages and Deliveries, Supply Chain, Logistics, Pallets, Carts, Trolleys, Livestock	Equipment, Bins, Containers, Supply Chain, Logistics, BLE Tag and Sensor Monitoring
Environment	Outdoor	Outdoor	Outdoor	Indoor/Outdoor	Indoor/Outdoor
Size	85 x 63 x 24 mm (3.35 x 2.48 x .94")	108 x 86 x 31 mm (4.25 x 3.39 x 1.22")	224 x 91 x 41 mm (8.82 x 3.58 x 1.61")	85 x 63 x 24 mm (3.35 x 2.48 x .94")	108 x 86 x 31 mm (4.25 x 3.39 x 1.22")
IP67 Rated	Yes	Yes	Yes	Yes	Yes
GNSS	Full	Full	Full	GNSS Scanning	GNSS Scanning
Wi-Fi MAC Address Scanning				Yes	Yes
Cell Tower Location	Advanced	Advanced	Advanced	Advanced	Advanced
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 AA Lithium
*Battery Life (Daily)	**10+ Years	**10+ Years	**20+ Years	**10+ Years	**10+ Years
*Battery Life (Movement-Based)	3 Years	6 Years	**10+ Years	3.5 Years	7 Years
*Battery Life (Hourly)	1.5 Years	3.5 Years	**10+ Years	2 Years	4.5 Years
Bluetooth®			Bluetooth 5.2 Gateway		Bluetooth 5.2 Gateway
Cloud-Based Location Solving				Yes	Yes
Location Precision	High	High	High	Med-High	Med-High

* Battery life estimates are based on LTE-M/NB-IoT Connectivity and 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.

** For battery life estimates over 10 years, please consider network technology availability and other factors such as battery manufacturer lifespan and self-discharge specifications.



OBDII & WIRED

	Bolt2	Dart3	G70	G120
Connectivity	LTE-M (Cat-M1) and NB-IoT	2G or LTE-M (Cat-M1) and NB-IoT	2G or LTE-M (Cat-M1) and NB-IoT	2G or LTE-M (Cat-M1) / NB-IoT Optional Iridium Edge Satellite Hybrid
Example Use Cases	Vehicles, Fleet Management	Vehicles, Advanced Fleet Management	Vehicles, Trailers, Heavy Equipment, Advanced Fleet Management	Vehicles, Trailers, Heavy Equipment, BLE Tag and Sensor Monitoring, Advanced Fleet Management
Installation	OBDII	Wired / optional OBDII or cigarette lighter power harness	Wired	Wired
IP67 Rated			Yes	
Real-Time Tracking	Yes	Yes	Yes	Yes
Cell Tower Location Fallback	Yes	Yes	Yes	Yes
Bluetooth®				Bluetooth 5.0 Gateway
Global Coverage				Iridium Satellite Hybrid Option
GPS Jamming Detection	Yes	Yes	Yes	Yes
Backup Battery	Yes	Yes	Yes	Yes
Ignition Digital Input		1	1	1
Digital Inputs		3	3	6
Analog Inputs		1	1	1
Switched Ground Digital Output		1	1	2
Switched Power Out		Yes		Yes
RS-232 Interface				Yes
Driver ID		Yes	Yes	Yes
Driver Behavior	Yes	Yes	Yes	Yes
Run Hour Monitoring / Odometer	Yes	Yes	Yes	Yes
Remote Immobilization		Yes	Yes	Yes
Wiegand Support		Yes	Yes	Yes



Bluetooth® Gateways

Oyster Edge		Remora3		G120	
Connectivity	LTE-M (Cat-M1) and NB-IoT	LTE-M (Cat-M1) and NB-IoT	2G or LTE-M (Cat-M1) / NB-IoT Optional Iridium Edge Satellite Hybrid		
Example Use Cases	Equipment, Bins, Containers, Supply Chain, Logistics, BLE Tag and Condition Monitoring	Large Equipment, Bins, Containers, Supply Chain, Logistics, BLE Tag and Condition Monitoring	Vehicles, Trailers, Heavy Equipment, Bluetooth tag/ sensor monitoring, Advanced Fleet Management, Global coverage		
Power	Battery-Powered	Battery-Powered	Wired		
Bluetooth	Bluetooth 5.2 Gateway	Bluetooth 5.2 Gateway	Bluetooth 5.0 Gateway		
Installation	Covertly install anywhere with screws, bolts, cable ties, etc.	Covertly install anywhere with screws, bolts, cable ties, etc.	24 pin connector provided as standard		
IP67 Rated	Yes	Yes			
Environment	Indoor/Outdoor	Outdoor	Outdoor		
Cloud-Based Location Solving	Yes				
GNSS	GNSS Scanning	Full	Full		
Wi-Fi MAC Address Scanning	Yes				
Cell Tower Location	Yes	Yes	Yes		
Accelerometer	Yes	Yes	Yes		
Batteries	3 x AA Lithium	2 x D Lithium Thionyl Chloride (LTC)			
*Battery Life (Daily)	**10+ Years	**20+ Years			
*Battery Life (Movement-Based)	7 Years	**10+ Years			
*Battery Life (Hourly)	4.5 Years	**10+ Years			
Inputs / Outputs, Sensor Interfaces			1 x Analog Input, 6 x Digital Inputs, 2 x Switched Ground Digital Outputs, 1 x Ignition Digital Input, Switched Power Out, RS-232		

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** For battery life estimates over 10 years, please consider network technology availability and other factors such as battery manufacturer lifespan and self-discharge specifications.



	Yabby Edge LoRaWAN	Oyster3 LoRaWAN	G70 LoRaWAN
Frequency	868 or 902-928 MHz versions	All 868, 902-928MHz LoRaWAN® regions supported	All 868, 902-928MHz LoRaWAN® regions supported
Example Use Cases	Small Equipment, Packages and Deliveries, Supply Chain, Logistics, Pallets, Carts, Trolleys, Livestock	Equipment, Bins, Containers, Supply Chain, Logistics, Wildlife	Fleet Management, Vehicle and Equipment Tracking
Power	Battery-Powered	Battery-Powered	Wired
Installation	Covertly install anywhere with screws, bolts, cable ties, etc. Livestock housing available for securing device to animals.	Covertly install anywhere with screws, bolts, cable ties, etc.	7 wire harness 1m Length
IP67 Rated	Yes	Yes	Yes
Environment	Indoor/Outdoor	Outdoor	Outdoor
Cloud-Based Location Solving	Yes		
GNSS	GNSS Scanning	Full	Full
Wi-Fi MAC Address Scanning	Yes		
LoRaWAN® Geolocation	Yes	Yes	Yes
Accelerometer	Yes	Yes	Yes
Batteries	2 x AAA Lithium	3 x AA Lithium or Lithium Thionyl Chloride (LTC)	
*Battery Life (Daily)	**12+ Years	**10+ Years	
*Battery Life (Movement-Based)	6 Years	5 Years	
*Battery Life (Hourly)	3 Years	2 Years	
Internal Backup Battery			Rechargeable 1100mAh LiPo
Inputs / Outputs			1 x Analog Input, 3 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input

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