GPS Tracker Matrix

	Tracker Type	Battery Powered Tracker				Hybrid	Externally Powered Tracker				
	Device Name	Yabby Wi-Fi	Yabby GPS	Oyster2	Remora2	Falcon	Bolt	Dart2	G62	G120	**G200**
General	Budget Price	$225	$225	$250	$325	$350	$199	$230	$295	$395	POA
	Brief Description	Super-compact, rugged GPS tracking device where long battery life is required and for mounting to small assets or in concealed locations. Uses a Wi-Fi 'sniffer' to triangulate position allowing for indoor tracking.	Super-compact, rugged GPS tracking device where long battery life is required and for mounting to small assets or in concealed locations.	Compact, rugged GPS tracking device where extra-long battery life is essential.	Rugged GPS tracking device where super-long battery life is essential.	Rugged super-smart GPS tracking device where battery and/or line power is required with I/O capabilities and Wi-Fi sniffing for indoor localisation.	Compact, economical feature rich plug and play OBDII tracking device. Perfect for rental fleets where a hard-wired install is not desirable.	Compact, economical and feature rich tracking device with internal battery back-up. Easy to install and conceal. Plug-in 12-pin wiring harness (ODBII & Cig. Lighter options).	Compact, rugged waterproof & dustproof 4G GPS tracking device for the most demanding conditions with best possible GPS reception and mounting positions.	Highly capable GPS/GLONASS cellular tracker, Iridium Edge Module capable with a variety of inputs and outputs.	Top of the range GPS/GLONASS cellular tracker with Iridium Satellite option. Capable of being installed in a vehicle, or carried in a portable configuration.
	Typical Battery Life	Up to 3 yrs (daily updates)	Up to 3 yrs (daily updates)	Up to 1 yr (hrly updates), up to 7 yrs (daily updates)	Up to 5 years (hrly updates), up to 10 yrs (daily updates)	Up to 1 yr (hrly updates), up to 7 yrs (daily updates)		Up to 1 day driving	Up to 6 days driving	Up to 5 days driving	
	IP67	✓	✓	✓	✓	✓			✓		✓
	Magnetic Tamper Detect				✓						
	24/7 Location							✓	✓	✓	✓
	Internal Memory Records	25,000	25,000	25,000	50,000	20,000	50,000	50,000	50,000	50,000	50,000
Default Uploads (configurable)	Start Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	In Trip	No	No	30 minutes	30 minutes	30 minutes	No	GPS Point	GPS Point	GPS Point	GPS Point
	GPS Points	Every 15 minutes	Every 15 minutes	Every 2 minutes	Every 2 minutes	Every 2 minutes	Every 1min/500m, or 10^0 for 150m	Every 1min/500m, or 10^0 for 150m	Every 1min/500m, or 10^0 for 150m	Every 1min/500m, or 10^0 for 150m	Every 1min/500m, or 10^0 for 150m
	Stop Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Recovery Mode	Every 30 seconds	Every 30 seconds	Every 30 seconds	Every 30 seconds	Every 30 seconds	Every 30 seconds	Every 30 seconds	Every 30 seconds	Every 30 seconds	
	Out of Trip (Heartbeat)	Every 12 hours	Every 12 hours	Every 12 hours	Every 12 hours	Every 12 hours	Every 1 hour	Every 1 hour	Every 1 hour	Every 1 hour	Every 1 hour
Power	Input Voltage	4 - 6 Vdc	4 - 6 Vdc	4 - 16 Vdc	4 - 16 Vdc	4 - 16 Vdc	8 - 36 Vdc	8 - 36 Vdc	8 - 36 Vdc	8 - 45 Vdc	9 - 36 Vdc
	Internal Battery Qty & Size	3 x AAA	3 x AAA	3 x AA	2 x D	3 x AA		7.4V 200mAh LiPo	7.4V 1100mAh LiPo	7.4V 1100mAh LiPo	7.4V 2400 mAh LiPo
	Lithium Iron Disulphide Battery (1.5V)	✓	✓	✓		✓					
	Lithium Thionyl Chloride Battery (3.6V)			✓	✓	✓					
	LiPo Internal Back-up Battery (3.7V)							✓	✓	✓	✓
	Battery Meter (Coulomb Counter)			✓	✓	✓					
	External (line)					✓	✓	✓	✓	✓	✓
	Switched Power Out (3.3/5Vdc)							1		2	2
I/O	Ignition DI (0-48Vdc)							1	1	1	1
	DI (0-48Vdc)					2		2	2	6	3
	DO					1		1	1	2	2
	AI					1			1	1	2
	I^2C					1					✓
	CANbus/J1939									✓	
	RS232									✓	✓
	Internal Buzzer									✓	✓
Geolocation	Wi-Fi + 4G	✓									
	GPS + Wi-Fi + 4G					✓					
	GPS + 4G		✓	✓	✓	✓	✓	✓	✓	✓	✓
	Low Noise Amplifier (LNA)		✓	✓	✓	✓	✓	✓	✓	✓	✓
	GPS AssistNow Offline		✓	✓	✓	✓	✓	✓	✓	✓	✓
	GPS/GLONASS		✓	✓	✓	✓	✓	✓	✓	✓	✓
Comms	4G LTE Cat-M1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	NB-IoT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Iridium Satellite									✓	✓
	Bluetooth Smart (BLE)				✓					✓	✓
Firmware Smarts	Auto-APN						✓	✓	✓	✓	✓
	Multi-APN									✓	✓
	SMS Text Message Setup			✓	✓	✓		✓	✓	✓	✓
	OTA Configuration	✓	✓	✓	✓	✓	✓				
	Flexible Logging Parameters						✓	✓	✓	✓	
	Locate & Recovery Mode	✓	✓	✓	✓	✓					
	Adaptive Tracking	✓	✓	✓	✓	✓					
	Performance Monitoring				✓						
	AES-256 Security	✓	✓	✓	✓	✓					
Non-powered Assets	Bags		✓	✓							
	Tool Boxes		✓	✓							
	Pallets	✓	✓	✓							
	Kegs	✓	✓	✓							
	Freight	✓	✓	✓	✓	✓					
	Containers		✓	✓	✓	✓					
	Skip Bins		✓	✓							
	Rental Equipment		✓	✓							
	People		✓	✓							
	Animals		✓	✓							
	Bicycles		✓	✓							
	Trailers		✓	✓	✓						
Powered Assets	Caravans		✓	✓	✓	✓			✓		
	Boats		✓	✓	✓	✓			✓	✓	
	Motorcycles		✓	✓							
	Cars						✓	✓		✓	✓
	Trucks					✓	✓	✓	✓	✓	✓
	Rental Fleets						✓			✓	✓
	Mining Equipment								✓	✓	✓
	Oil & Gas Rigs									✓	✓
	Agricultural Vehicles									✓	✓
	Rental Equipment								✓		
Driver ID	RFID Reader							✓		✓	✓
	Dallas iButton							✓	✓	✓	✓
	Wiegand							✓		✓	
	5-digit keypad										
	RFID CAN Console										
	Driver Lists							✓		✓	
Specific Applications	G-Force Events	✓	✓	✓	✓						
	Geo-fencing & Alerts	✓	✓	✓	✓		✓	✓	✓	✓	✓
	After hours movement/activity alerts	✓	✓	✓				✓			
	Unauthorised movement alerts			✓							
	Inactivity Timer / Man Down Alerts	✓	✓	✓							
	Harsh Driving						✓	✓	✓	✓	✓
	Accident & Rollover Detection						✓	✓	✓	✓	✓
	Accident Data (sec-by-sec for 2hrs)						✓	✓	✓	✓	✓
	Run Detect									✓	
	Run Hours				✓	✓		✓	✓		
	Electronic Odometer						✓				
	Sch. Maintenance						✓	✓			
	Vehicle Access Control							✓	✓		
	Remote Vehicle Immobilisation							✓	✓		
	Log books for Tax & FBT Reporting						✓	✓			
	Anchoring & Security of Assets	✓	✓	✓	✓		✓	✓	✓		
	Indoor Tracking	✓									
	Warehouses	✓									
	Underground carparks	✓									
	Underground environments	✓									
	Cold Chain Management					✓				✓	
	Lone and Remote Workers									✓	✓
	Duress/Panic Alerts								✓	✓	✓
	Out of cellular coverage									✓	✓
	Tank Levels					✓					
	Door open/close					✓					
	Metering					✓					