

Device Overview

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Our Devices

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LoRaWAN®

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Sigfox

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Bluetooth Gateways

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Bluetooth Tags & Sensors

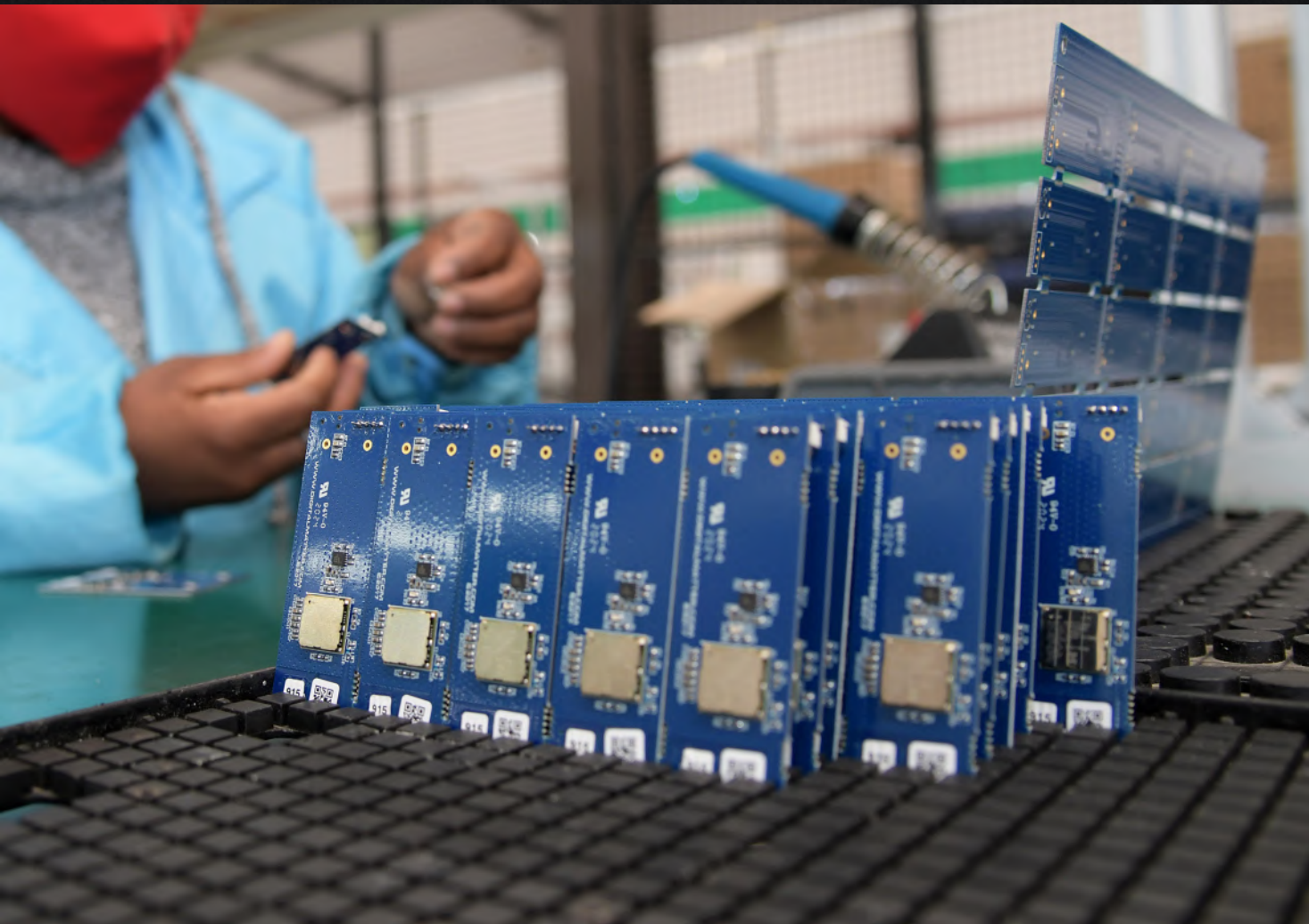
- [Guppy Bluetooth Tag](#)
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Peripherals

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About Digital Matter



Engineered to Outperform

Digital Matter delivers best-in-class asset tracking solutions for businesses to sell and deploy with confidence. With over 20 years of telematics experience and over 500 channel partners across 100 countries, we supply and support reliable, scalable, and secure devices for Telematics Businesses, IoT Solution Providers, Enterprises and Network Operators around the world.

We set ourselves apart from other OEMs by offering the largest portfolio of LPWAN battery-powered asset tracking devices featuring industry-leading battery-life, with the widest range of connectivity options to support any asset tracking application, anywhere.

Our open and flexible payload structure also means integrating our hardware into existing systems is faster and less complicated.

With the ability to innovate quickly and a proven expertise in low-power design, our partners are uniquely positioned and supported as they go-to-market faster with the latest low-power IoT asset management technologies that they can depend on to track what matters.

Cellular IoT Solutions

Cellular 2G, 3G, and LTE-M/NB-IoT
Hardware Solutions



Battery-powered devices

Cellular



	Yabby GPS	Oyster2	Falcon	Remora2
*Battery Life (Daily)	3 Years	7 Years	7 Years	10 Years
*Battery Life (Hourly)	17 Weeks	1 Year	1 Year	5 Years
Positioning	GPS / GLONASS	GPS / GLONASS	GPS / GLONASS **WiFi Positioning	GPS / GLONASS
Bluetooth®	-	-	-	Bluetooth 5.0 Gateway
Housing Rating	IP67	IP67	IP67	IP67
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")	135 x 90 x 35 mm (5.31 x 3.54 x 1.38)	224 x 91 x 41 mm (8.82 x 3.58 x 1.61")
Off-the-Shelf Batteries	3 x AAA Lithium	3 x AA Lithium or LTC	3 x AA Lithium or LTC	2 x D LTC
Built-In Battery Life Monitoring	-	Yes	Yes	Yes
Accelerometer	Yes	Yes	Yes	Yes
Inputs / Outputs	-	-	Yes	-
I²C Sensor Interface	-	-	Yes	-
Magnetic Tamper Detect	-	-	-	Yes

* Battery life is influenced by several factors including frequency of location updates, sensor integrations, accelerometer settings, and more.

** WiFi Positioning Systems are used for indoor localization where GPS is not available, devices do not connect to WiFi for data transfer.

Leaders in LPWAN Design

We offer a versatile range of LPWAN asset tracking hardware with the largest portfolio of integration-ready battery-powered asset tracking devices.

Our commitment to quality engineering and expertise in low-power design means our devices perform better, last longer, and are easier to manage than competitors.

Movement-Based Tracking

Choose your reporting frequency based on the use case:

Periodic - Reports location periodically throughout the day

Adaptive - Increases reporting frequency when asset is on the move

Movement-Based - Real-time alerts if your asset moves

Sleep Mode - Device enters low-power state when stationary to conserve battery life



Yabby GPS

Cellular 2G or LTE-M / NB-IoT

Tiny, lightweight and ultra-rugged battery-powered GPS tracking device with up to 3 years of battery life for asset tracking and theft recovery



3 Years Battery Life

Powered by 3 x AAA Batteries with up to 3 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS tracking device tracks assets when they're on the move and enters sleep mode when stationary to save power



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



User-Replaceable Batteries

Uses off-the-shelf Lithium batteries

Oyster2

Cellular 2G or LTE-M / NB-IoT

Best Seller! Ultra-rugged, long-life battery-powered GPS tracking device with up to 7 years battery life for asset tracking and management, theft recovery, and more



7 Years Battery Life

Powered by 3 x AA Batteries with up to 7 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS tracking device tracks assets when they're on the move and enters sleep mode when stationary to save power



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



User-Replaceable Batteries

Uses off-the-shelf Lithium batteries or Lithium Thionyl Chloride (LTC) batteries for extreme temperature tolerance



Battery Life Monitoring

Built-in Battery Meter for remote Battery Life Monitoring and Remaining Life Predictions

Falcon

Cellular 2G or LTE-M / NB-IoT

Robust battery-powered or wired GPS tracking device with inputs/outputs, I²C Sensor Interface, and WiFi Positioning for indoor and outdoor asset tracking and sensor monitoring



Indoor and Outdoor

High-precision GPS/GLONASS tracking device with WiFi Access Point Scanning



Battery-Powered or Wired

Flexible Power Options – 3 x AA Batteries with up to 7 years battery life or wired to permanent power



Inputs/Outputs

1 x Analog Input, 2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input, Switched Power Out



Interfaces

I²C Sensor Interface



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing

Remora2

Cellular 2G, 3G, or LTE-M / NB-IoT

Ultra-rugged, long-life battery-powered GPS tracking device and Bluetooth® Gateway with up to 10 years of battery life and tamper detect for asset tracking and management, sensor and tag monitoring, theft recovery, and more



10 Years Battery Life

Powered by 2 x D LTC batteries with up to 10 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS tracking device tracks assets when they're on the move and enters sleep mode when stationary to save power



Bluetooth Gateway

Bluetooth® 5.0 Gateway for tagged asset management and sensor monitoring



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



User-Replaceable Batteries

Uses Lithium Thionyl Chloride (LTC) batteries for extreme temperature tolerance



Battery Life Monitoring

Built-in Battery Meter for remote Battery Life Monitoring and Remaining Life Predictions

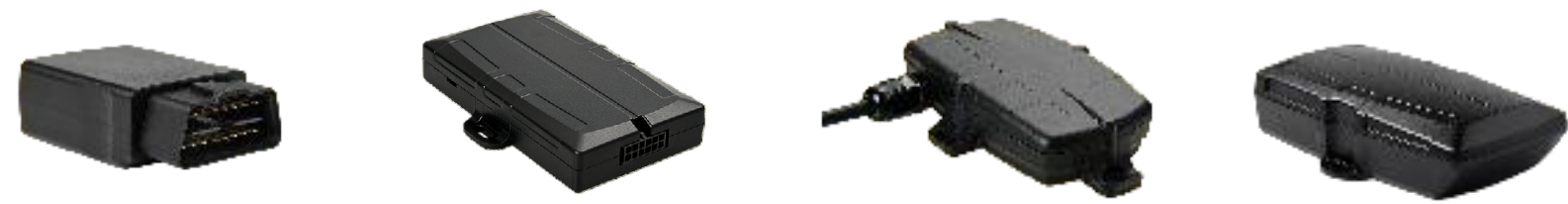


Tamper Detect

Magnetic Tamper Detect

Wired devices

Cellular



	Bolt	Dart2	G62	G120
Positioning	GPS / GLONASS	GPS / GLONASS	GPS / GLONASS	GPS / GLONASS
Bluetooth®	-	-	-	Bluetooth 5.0 Gateway
Housing Rating	-	-	IP67	-
Installation	Vehicle OBDII Port Installation	12 Wire Harness as standard Optional OBDII or Cigarette Lighter Harness	7 Wire Harness	24 Wire Harness as standard Optional Iridium Harness
Internal Backup Battery	-	Rechargeable 200mAh LiPo	Rechargeable 1100mAh LiPo	Rechargeable 1100mAh LiPo
Driver Behavior Monitoring	Yes	Yes	Yes	Yes
Driver ID Options	-	Yes	Yes	Yes
*Remote Immobilization	-	Yes	Yes	Yes
Digital Inputs	-	2	2	6
Switched Ground Digital Output	-	1	1	2
Ignition Digital Input	-	1	1	1
Switched Power Out	-	1	-	1
Other	-	-	-	1 x Analog Input, RS232, Optional Iridium Satellite

* Digital outputs can be connected to a relay to enable Remote Immobilization

Bolt

Cellular 2G or LTE-M / NB-IoT

Compact and affordable vehicle tracking device featuring simple plug-and-play installation for fleet management, driver safety and behavior monitoring, theft recovery, and more



Real-Time Tracking

High-precision GPS/GLONASS tracking device plugs into existing OBDII ports



Plug-and-Play

Multiple installation options (traditional plug-and-play, splitter installation, or secure with cable ties)



Driver Behavior

Speeding, harsh braking and cornering, accident and rollover detection



Run Hour Monitoring

Electronic Odometer Readings



Movement-Based Tracking

Accelerometer for Smart Movement-Based Tracking

Dart2

Cellular 2G or LTE-M / NB-IoT

Robust and affordable vehicle tracking device with inputs/outputs, remote immobilization for fleet management, driver ID, driver safety and behavior monitoring, theft recovery, and more



Real-Time Tracking

High-precision GPS/GLONASS wired vehicle tracking device / Optional OBDII or cigarette lighter power harness available for plug-and-play installation



Inputs/Outputs

2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input, Switched Power Out



Backup Battery

Internal Backup Battery in case of loss of power or tampering



Driver ID

Configure iButton® and RFID readers for Driver ID



Driver Behavior

Accident and rollover detection, speeding, harsh braking, and more



Remote Immobilization

Immobilization option to safely disable assets remotely

G62

Cellular 2G or LTE-M / NB-IoT

Rugged and robust vehicle, trailer, or heavy equipment GPS tracking device with inputs/outputs, remote immobilization for fleet management, equipment monitoring, driver ID, theft recovery, and more



Real-Time Tracking

High-precision GPS/GLONASS tracking device wired to assets for real-time tracking



Backup Battery

Internal Backup Battery in case of loss of power or tampering



Inputs/Outputs

2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input



Driver ID

1-Wire® or iButton® can be used to read Driver ID tags



Driver Behavior

Run hour monitoring, accident and rollover detection, speeding, harsh braking, and more



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing

G120

Cellular 2G or LTE-M / NB-IoT
Optional Iridium Satellite

GPS tracking device and Bluetooth® Gateway with optional Iridium Satellite for out-of-coverage tracking with inputs/outputs, RS-232 Interface, and remote immobilization for fleet management, driver ID, driver safety and behavior monitoring, remote worker safety, theft recovery, and more



Real-Time Tracking

High-precision GPS/GLONASS tracking device wired to vehicles or equipment



Backup Battery

Internal Backup Battery in case of loss of power or tampering



Bluetooth Gateway

Bluetooth® 5.0 Gateway for tagged asset management and sensor monitoring



Inputs/Outputs

1 x Analog Input, 6 x Digital Inputs, 2 x Switched Ground Digital Outputs, 1 x Ignition Digital Input, Switched Power Out



RS-232 Interface

RS-232 Interface to connect optional Iridium Edge® Module or interface with controllers and sensors



Driver ID

Configure iButton®, RFID readers and Wiegand Interface for Driver ID



Driver Behavior

Accident and rollover detection, speeding, harsh braking, and more

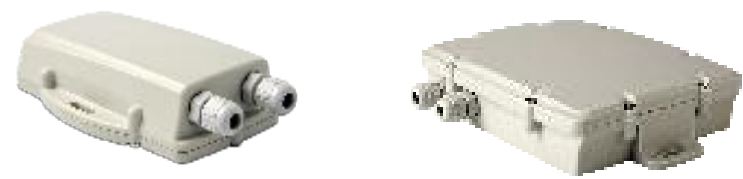


In-Cab Alerts

Built-in Buzzer for in-cab alerts

IoT Dataloggers

Cellular



	Falcon	Eagle
Power	Battery-Powered or Wired	Battery-Powered or Wired
Positioning	GPS / GLONASS **WiFi Positioning	GPS / GLONASS
Bluetooth®	-	Bluetooth 5.0 Gateway
Housing	IP67	IP67
Off-the-Shelf Batteries	3 x AA Lithium or LTC	4 x C Alkaline or LTC
*Battery Life (Daily)	7 Years	10 Years
*Battery Life (Hourly)	1 Year	5 Years
Built-In Battery Life Monitoring	Yes	Yes
Accelerometer	Yes	Yes
I²C	Yes	Yes
Analog Inputs	1	2
Digital Inputs	3	3
Switched Ground Digital Outputs	1	2
Switched Power Outputs	1	2
SDI-12 and ***RS-485	-	Yes
4-20mA Inputs	-	2

* Battery life is dependent on user configured parameters, such as location update rate, movement, sensor options, accelerometer settings, and more.

** WiFi Positioning Systems are used for indoor localization where GPS is not available, devices do not connect to WiFi for data transfer.

*** Custom firmware development required to support RS-485.

Falcon

Cellular 2G or LTE-M / NB-IoT

Robust battery-powered or wired GPS tracking device with inputs/outputs, I²C Sensor Interface, and WiFi Positioning for indoor and outdoor asset tracking and sensor monitoring



Indoor and Outdoor

High-precision GPS/GLONASS tracking device with WiFi Access Point Scanning



Battery-Powered or Wired

Flexible Power Options – 3 x AA Batteries with up to 7 years battery life or wired to permanent power



Inputs/Outputs

1 x Analog Input, 2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input, Switched Power Out



Interfaces

I²C Sensor Interface



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing

Eagle

Cellular 2G, 3G or LTE-M / NB-IoT

Rugged and robust datalogger with GPS and Bluetooth® Gateway featuring an impressive array of inputs/outputs and sensor interfaces



Real-Time Tracking

High-precision GPS/GLONASS tracking device



Bluetooth Gateway

Bluetooth® 5.0 Gateway for tagged asset management and sensor monitoring



Battery-Powered or Wired

Flexible Power Options – 4 x C Alkaline or LTC Batteries or wired to permanent power



Inputs/Outputs

2 x Analog Inputs, 3 x Digital Inputs, 2 x Switched Ground Digital Outputs, 2 x 4-20mA Inputs



Interfaces

I²C, SDI-12 and RS-485 Interface



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing

LoRaWAN® Solutions

Low-power, high-performance
LoRaWAN® asset tracking hardware



LoRaWAN®

Battery-powered
& Wired



	Guppy LoRaWAN	Yabby LoRaWAN	Yabby Edge	Oyster LoRaWAN	G62 LoRaWAN
Power	Battery-powered	Battery-powered	Battery-powered	Battery-powered	Wired
*Battery Life (Daily)	5 Years	3 Years	12 Years	5 Years	-
Off-the-shelf batteries	2 x AAA Lithium	3 x AAA Lithium	2 x AAA Lithium	3 x AA Lithium	-
Positioning	LoRaWAN Geolocation	GPS / GLONASS	GPS / BEIDOU ** WiFi Positioning	GPS / GLONASS	GPS / GLONASS
Housing Rating	IP67	IP67	IP67	IP67	IP67
Size	85 x 48 x 21 mm (3.35 x 1.89 x 0.83")	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")	125 x 80 x 25 mm (4.92 x 3.15 x 0.98")
Installation	Covertly install anywhere with screws, bolts, cable ties, etc.	Covertly install anywhere with screws, bolts, cable ties, etc.	Covertly install anywhere with screws, bolts, cable ties, etc.	Covertly install anywhere with screws, bolts, cable ties, etc.	7 wire harness 1m Length
Internal Backup Battery	-	-	-	-	Rechargeable 1100mAh LiPo
Accelerometer	Yes	Yes	Yes	Yes	Yes
Inputs / Outputs	-	-	-	-	1 x Analog Input, 2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input

* Battery life is dependent on user configured parameters, such as location update rate, movement, and accelerometer settings.

** WiFi Positioning Systems are used for indoor localization where GPS is not available, devices do not connect to WiFi for data transfer.

Guppy LoRaWAN®

All 868, 902-928MHz LoRaWAN regions supported

Tiny, lightweight and ultra-rugged battery-powered LoRaWAN® geolocation tag for affordable indoor and outdoor asset monitoring



5 Years Battery Life

Powered by 2 x AAA Batteries with up to 5 years battery life



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



Movement-Based Tracking

Tracks assets when they're on the move and enters sleep mode when stationary to save power



Yabby LoRaWAN®

All 868, 902-928MHz LoRaWAN regions supported

Tiny, lightweight and ultra-rugged battery-powered LoRaWAN® GPS tracking device for asset tracking and management



3 Years Battery Life

Powered by 3 x AAA Batteries with up to 3 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS tracking device tracks assets when they're on the move and enters sleep mode when stationary to save power



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



User-Replaceable Batteries

Uses off-the-shelf Alkaline or Lithium (recommended) batteries



Yabby Edge LoRaWAN®

All 868, 902-928MHz LoRaWAN regions supported

Low cost, Indoor and Outdoor asset tracker with industry-leading battery life in a small rugged IP67 housing. Features Semtech's latest geolocation solution the LR1110.

NEW!



Indoor and Outdoor

GNSS and WiFi Scanning with Cloud-Based Geolocation



12 Years Battery Life

Game-changing battery life with up to 12 years on only 2 x AAA user-replaceable batteries



Movement-Based Tracking

Tracks assets when they're on the move and enters sleep mode when stationary to save power



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



Low Cost

Low cost to support large-scale deployments



Oyster LoRaWAN®

All 868, 902-928MHz LoRaWAN®
regions supported

Ultra-rugged and long-life battery-powered LoRaWAN® GPS
tracking device for asset tracking and management



5 Years Battery Life

Powered by 3 x AA Batteries with up
to 5 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS
tracking device tracks assets when
they're on the move and enters sleep
mode when stationary to save power



Ultra-Rugged

Weatherproof and ultra-rugged IP67
Housing



User-Replaceable Batteries

Uses off-the-shelf Alkaline or Lithium
(recommended) batteries

G62 LoRaWAN®

All 868, 902-928MHz LoRaWAN®
regions supported

Robust and ultra-rugged LoRaWAN® vehicle and heavy
equipment tracking device with inputs/outputs for
fleet management, equipment monitoring



GPS/GLONASS

High-precision GPS/GLONASS
tracking device



Ultra-Rugged

Weatherproof and ultra-rugged IP67
Housing



Backup Battery

Internal Backup Battery in case of
loss of power or tampering



Inputs/Outputs

1 x Analog Inputs, 2 x Digital Inputs,
1 x Switched Ground Digital Output,
1 x Ignition Digital Input



Run Hour Monitoring

On-Device Odometer Readings



IoT Dataloggers

LoRaWAN®



	SensorNode LoRaWAN®	SensorData LoRaWAN®
Power	Battery-Powered or Wired	Battery-Powered or Wired
Positioning	GPS / GLONASS	GPS / GLONASS
Housing	IP67	IP67
Off-the-Shelf Batteries	3 x AA Lithium	4 x C Alkaline
*Battery Life (Daily)	5 Years	10 Years
*Battery Life (Hourly)	2 Years	5 Years
I²C	Yes	Yes
SDI-12	-	Yes
Analog Inputs	2	1
Digital Inputs	2	2
Switched Sensor Power (Vout)	-	Yes
Switched Power Outputs	1	1

* Battery life is dependent on user configured parameters, such as location update rate, movement, sensor options, accelerometer settings, and more.

SensorNode LoRaWAN®

All 868, 902-928MHz LoRaWAN®
regions supported

Robust and rugged LoRaWAN® datalogger with inputs/outputs
and I²C sensor interface for asset and sensor monitoring



GPS/GLONASS

High-precision GPS/GLONASS
tracking device



Battery-Powered or Wired

Flexible Power Options – 3 x AA
Batteries with up to 5 years battery
life or wired to power



Ultra-Rugged

Weatherproof and ultra-rugged IP67
Housing



Inputs/Outputs

2 x Analog Inputs, 2 x Digital Inputs



Interfaces

I²C Sensor Interface

SensorData LoRaWAN®

All 868, 902-928MHz LoRaWAN®
regions supported

Robust and rugged LoRaWAN® datalogger with GPS, inputs/
outputs, SD1-12, I²C Sensor Interfaces for asset tracking, agtech,
and sensor monitoring. **Manufactured for volume orders
only.**



GPS/GLONASS

High-precision GPS/GLONASS
tracking device



Battery-Powered or Wired

Flexible Power Options – 4 x C
Batteries or wired to power



Ultra-Rugged

Weatherproof and ultra-rugged IP67
Housing



Inputs/Outputs

1 x Analog Inputs, 2 x Digital Inputs



Interfaces

SD1-12, I²C, Switched Power Out,
Switched Sensor Power Interfaces

Sigfox Solutions

Low-power, high-performance Sigfox
asset tracking hardware



Oyster Sigfox

Sigfox Zones RCZ1, RCZ2, RCZ4

Ultra-rugged and long-life battery-powered Sigfox GPS tracking device for asset tracking and management



7 Years Battery Life

Powered by 3 x AA Batteries with up to 7 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS tracking device tracks assets when they're on the move and enters sleep mode when stationary to save power



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



User-Replaceable Batteries

Uses off-the-shelf Alkaline or Lithium (recommended) batteries

Bluetooth® Solutions

Affordable asset management and
sensor monitoring solutions with
Industrial Bluetooth® Low Energy
Gateways and Tags



Bluetooth Gateways

Cellular



	Remora2	G120	Eagle
Application	Installed on Asset or Stationary Gateway	Installed in Vehicles	Installed on Asset or Stationary Gateway
Power	Battery-Powered	Wired	Battery-Powered or Wired
Positioning	GPS / GLONASS	GPS / GLONASS Optional Iridium Edge	GPS / GLONASS
Bluetooth®	Bluetooth 5.0 Gateway	Bluetooth 5.0 Gateway	Bluetooth 5.0 Gateway
Housing	IP67	-	IP67
Off-the-Shelf Batteries	3 x AA Lithium or LTC	-	4 x C Alkaline or LTC
*Battery Life (Daily)	7 Years	-	10 Years
*Battery Life (Hourly)	1 Year	-	5 Years
Built-In Battery Life Monitoring	Yes	-	Yes
Accelerometer	Yes	Yes	Yes
I²C	-	-	Yes
SDI-12 and **RS-485	-	-	Yes
4-20mA Inputs	-	-	2
Analog Inputs	-	-	1
Digital Inputs	-	6	3
Switched Ground Digital Outputs	-	2	2
Switched Power Outputs	-	1	2

* Battery life is dependent on user configured parameters, such as location update rate, movement, sensor options, accelerometer settings, and more.

** Custom firmware development required to support RS-485.

Remora2

Cellular 2G, 3G, or LTE-M / NB-IoT

Ultra-rugged, long-life battery-powered GPS tracking device and Bluetooth® Gateway with up to 10 years of battery life and tamper detect for asset tracking and management, sensor and tag monitoring, theft recovery, and more



10 Years Battery Life

Powered by 2 x D LTC batteries with up to 10 years battery life



Movement-Based Tracking

High-precision GPS/GLONASS tracking device tracks assets when they're on the move and enters sleep mode when stationary to save power



Bluetooth Gateway

Bluetooth® 5.0 Gateway for tagged asset management and sensor monitoring



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



User-Replaceable Batteries

Uses Lithium Thionyl Chloride (LTC) batteries for extreme temperature tolerance



Battery Life Monitoring

Built-in Battery Meter for remote Battery Life Monitoring and Remaining Life Predictions



Tamper Detect

Magnetic Tamper Detect

G120

Cellular 2G or LTE-M / NB-IoT
Optional Iridium Satellite

GPS tracking device and Bluetooth® Gateway with optional Iridium Satellite for out-of-coverage tracking with inputs/outputs, RS-232 Interface, and remote immobilization for fleet management, driver ID, driver safety and behavior monitoring, remote worker safety, theft recovery, and more



Real-Time Tracking

High-precision GPS/GLONASS tracking device wired to vehicles or equipment



Backup Battery

Internal Backup Battery in case of loss of power or tampering



Bluetooth Gateway

Bluetooth® 5.0 Gateway for tagged asset management and sensor monitoring



Inputs/Outputs

1 x Analog Input, 6 x Digital Inputs, 2 x Switched Ground Digital Outputs, 1 x Ignition Digital Input, Switched Power Out



RS-232 Interface

RS-232 Interface to connect optional Iridium Edge® Module or interface with controllers and sensors



Driver ID

Configure iButton®, RFID readers and Wiegand Interface for Driver ID



Driver Behavior

Accident and rollover detection, speeding, harsh braking, and more



In-Cab Alerts

Built-in Buzzer for in-cab alerts

Eagle

Cellular 2G, 3G or LTE-M / NB-IoT

Rugged and robust datalogger with GPS and Bluetooth® Gateway featuring an impressive array of inputs/outputs and sensor interfaces



Real-Time Tracking

High-precision GPS/GLONASS tracking device



Bluetooth Gateway

Bluetooth® 5.0 Gateway for tagged asset management and sensor monitoring



Battery-Powered or Wired

Flexible Power Options – 4 x C Alkaline or LTC Batteries or wired to permanent power



Inputs/Outputs

2 x Analog Inputs, 3 x Digital Inputs, 2 x Switched Ground Digital Outputs, 2 x 4-20mA Inputs



Interfaces

I²C, SDI-12 and RS-485 Interface



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing

Bluetooth Tags & Sensors

Bluetooth®



	Guppy Tag	SensorNode Bluetooth	Third Party Support
Power	Battery-Powered	Battery-Powered or Wired	Integrate most third-party Bluetooth Tags and Sensors
Battery Life	5 Years	4 Years	
Housing	IP67	IP67	
Battery Life	5 Years	4 years	
Off-the-Shelf Batteries	2 x AAA Alkaline or Lithium	3 x AA Alkaline or Lithium	
Bluetooth Range - Line of Sight	+8dBm "standard" Bluetooth – 195m +8dBm "long range" Bluetooth – 330m Transmit Mode is configurable	+8dBm "standard" Bluetooth – 195m +8dBm "long range" Bluetooth – 330m* Transmit Mode is configurable *Bluetooth 5 variant only	
Bluetooth Data	<ul style="list-style-type: none">• Device Serial Number• Digital Matter Manufacturer Code• Battery Voltage• Transmit Power (used with RSSI for range estimates)• Temperature• Can be configured to broadcast in iBeacon format	<ul style="list-style-type: none">• Device Serial Number• Digital Matter Manufacturer Code• Battery Voltage• Transmit Power (used with RSSI for range estimates)• Temperature• State of all inputs	
Inputs / Outputs	-	2 x Analog Inputs, 2 x Digital Inputs	
I²C		Yes	

* Battery life is dependent on user configured parameters, such as location update rate, movement, sensor options, accelerometer settings, and more.

Guppy Bluetooth® Tag

Tiny, lightweight and ultra-rugged battery-powered Bluetooth® tag with up to 5 years of battery life for affordable indoor and outdoor asset monitoring



Bluetooth Tag

Bluetooth® 5.0 for sending asset data to Gateways



5 Years Battery Life

Powered by 2 x AAA Batteries with up to 5 years battery life



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



Configurable

Configurable Transmit Mode
(Standard up to 195m or Long-Range up to 330m)



No Ongoing Costs

Does not require SIM or data plan

SensorNode Bluetooth®

Robust and rugged Bluetooth® tag with inputs/outputs and I²C sensor interface for asset and sensor monitoring applications



Bluetooth Sensor

Bluetooth® 4.2 for sending asset data to Gateways



Battery-Powered or Wired

Flexible Power Options – 3 x AA Batteries with up to 4 years battery life or wired to power



Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



Inputs/Outputs

2 x Analog Inputs, 2 x Digital Inputs



Sensor Interface

I²C Sensor Interface



Range

Line of Sight up to 195m



No Ongoing Costs

Does not require SIM or data plan

Peripherals & Third-Party Support

Customize our devices to fit your use case with a wide range of peripherals and third-party sensor and input support



Peripherals & Third-Party Support



RFID Driver ID Reader

Plug-and-play RFID Reader. Internal LED and buzzer for driver feedback.



iButton Driver ID Reader

Low-cost Driver ID solution. Reads Dallas iButton Tags.



I²C Temperature Probe

2m long 'bullet style' temperature sensor.



I²C Temp/Hum Sensor

Temperature and humidity sensor in convenient form factor.



Third-Party Bluetooth® Tags

Many third-party Bluetooth tags and sensors supported.



Third-Party Sensors & Inputs

Many third-party sensors and inputs supported.

Device Management

Manage your connected devices remotely with our powerful IoT Device Management Platform.

- Over-the-air (OTA) Device Provisioning
- OTA Firmware and Parameter Updates
- Device Health Monitoring
- Debugging and Server Logs
- Flexible Data Conduit to your choice of software

Integration

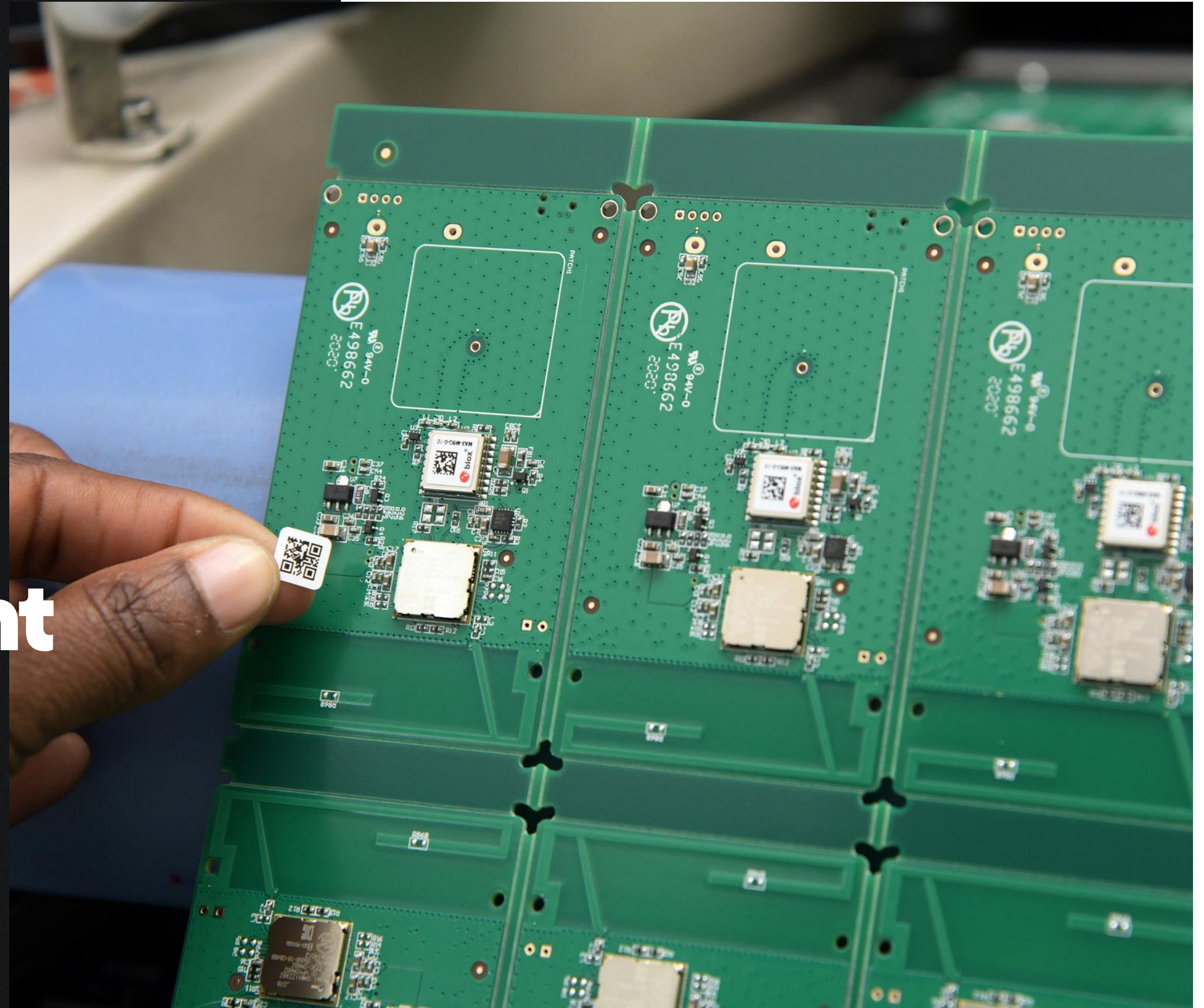
Send data to the platform of your choosing with flexible integration options via Webhook, TCP or HTTP/HTTPS, Direct Integration or Data Splitting.



Development

Accelerate time to market by adapting our current range of devices to fit niche applications with custom firmware, housing, and sensor integrations, or work with us to develop a fully-custom solution.

- Validated Reference Designs
- Design for Manufacturing
- Design for Certification
- Design for Durability



Security

We implement comprehensive security protocols on our devices and software to protect against attacks on the integrity and confidentiality of your telematics data.

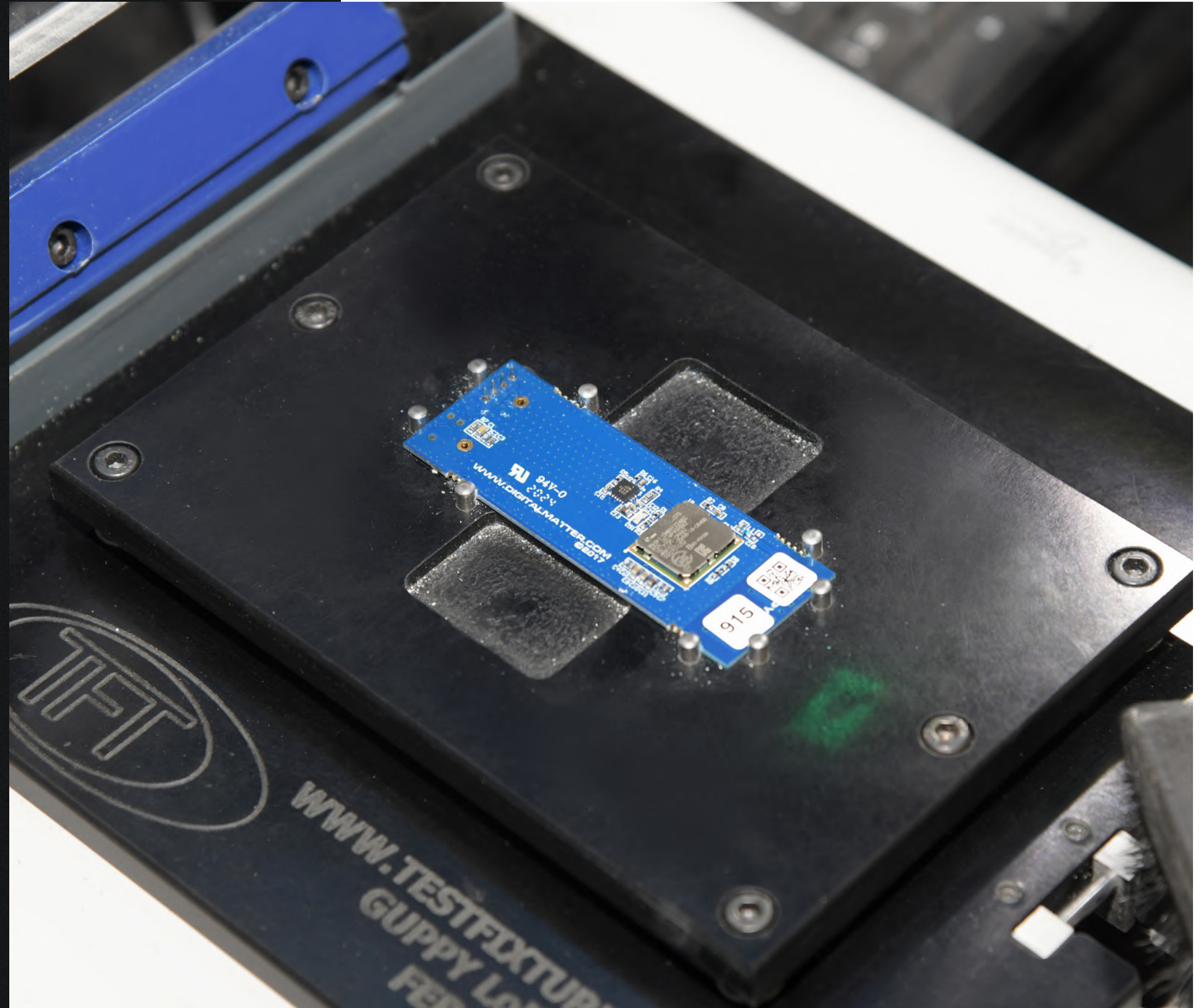
Our cellular devices use military-level 256-bit AES256CCM encryption.

LoRaWAN® networks use AES-128 Encryption.

Support

Deploy devices faster with unbeatable onboarding and regional technical support from our team of qualified engineers.

Get instant access to our knowledge base (www.support.digitalmatter.com) of over 600 configuration, installation, and device management guides.





Let's Get Started

www.digitalmatter.com

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