



EROAD

PRODUCT SPECIFICATIONS



CoreHub Standard

Not your average telematics

Sitting discreetly inside the cab, the CoreHub Standard collects data directly from your engine management system and a series of wireless sensors, transforming your vehicle into an IoT hub to make guessing a thing of the past.

Powering the right decisions

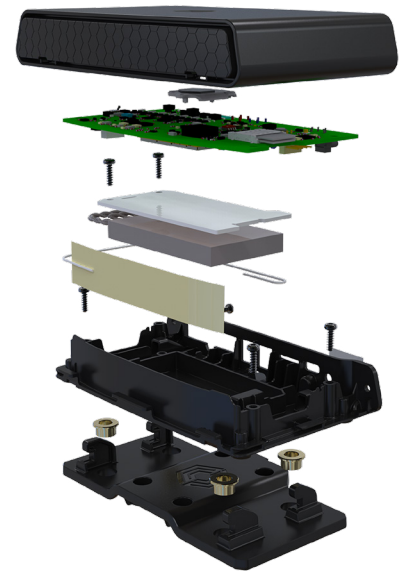
CoreHub is an integrated, gateway assurance device that enables drivers and operators to pull critical insights from vehicle fault codes, idling data, GPS tracking, and more. For advanced control, wireless sensors can track doors opening, temperature, power take off, lift arm operations, concrete drum rotations, water moisture levels and more. Transform your fleet intelligence, lower operational costs, improve safety and compliance, and delight your customers.

Easy installation

CoreHub has been designed with maximum uptime in mind. Compact in size, it will mount almost anywhere in your cab. It's easy and affordable to install.

Designed to grow with you

CoreHub easily scales from light to heavy-duty vehicles. System upgrades are delivered wirelessly to ensure you continue to run the latest firmware, and all new device releases maintain compatibility. Add wireless sensors, RUC display, and more for broader fleet management options when you want to.



Always in the know

With more than five types of sensors, know what's happening with every vehicle, asset, and load. Anytime, anywhere.



Extreme accuracy

With a 3-axis accelerometer, every speed and direction is tracked with such precision, even your most seasoned drivers will trust it.



Backed by experience

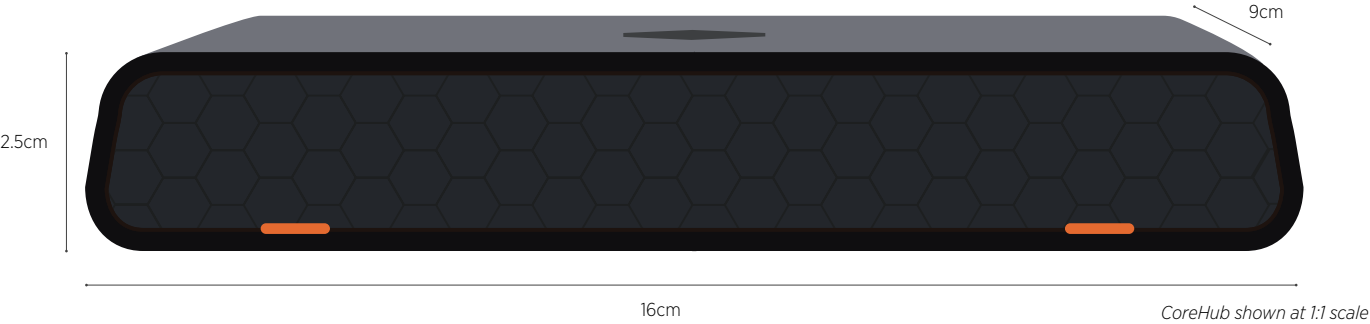
Made from +20 years of knowledge gained from tracking +250k vehicles, analysing trips, and listening to our customers.



NZTA-approved

CoreHub Standard with Bluetooth RUC display is an NZTA-approved device for RUC compliance

COREHUB SPECIFICATIONS



Network Connectivity

Cellular	4G LTE
WiFi	2.4 & 5Ghz (802.11 a/b/g/n) 150Mbps
Bluetooth	Classic + BLE 4.2 (host & client)
SIM Card	Dual SIM support
Supports 3GPP	E-UTRA Release 10
Data Security and Encryption	TLS encryption using the MQTT protocol between Corehub and Microsoft Azure IoT Hub
Reporting Time	Every 2 minutes or every 1.2 miles traveled

GPS

GPS Receiver	GPS BEIDOU Glonass Galileo
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Physical

Dimensions	16 x 9 x 2.5cm
Weight	250 - 400g
Color	Black

Power

Full power draw	12V 0.5 amp
	24V 0.25 amp
Low Power Mode	Yes
Battery	Lithium Ion Rechargeable battery Energy harvesting capability Energy harvesting management Unplug alerts

Storage

RAM	2GB
Flash	16GB
Optional	SD Card

Environmental

Temperature	-40°C to 60°C
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Sensor Compatibility

Fuel Sensor	Wireless Universal Tag Sensor (BLE)
Wireless Door Sensor (BLE)	that extends connection to:
Wireless Drum Rotation Sensor (BLE)	- Water Add Meter
RUC Display (BLE)	- Washout Sensor

Accelerometer

Axis	3-Axis
G-Force Range	1 - 4G
Magmetometer	3-Axis

General

OS	Android 7.1
Memory	16GB EMMC 2GB LPDDR3
CPU	Quad-core A7 1.1

Wired IO

RS232	2
GPIO	5
ADC	5
USB	Host & Client
Wired Display	USB
CAN	2
J1708	1

Connectors

Power Connector	24-pin Connector
	CAN Bus
	J1939 (9 pin)
	J1708 (7 pin)
CAN Bus	Light vehicle J1979 / OBII
	Heavy vehicle J1939 / J1708