

ARM Based Telematics System

The BB series of IoT boxes offers exceptional flexibility and customization, primarily designed for e-mobility applications. Equipped with versatile connectors and relays, these devices can control numerous external power devices, enabling extensive customization. A power isolated CAN bus ensures seamless communication with automotive systems, while a mini PCIE connection supports various connectivity options like 5G, 4G, and NB-IOT. Furthermore, an integrated 9-axis motion sensor facilitates alarm detection, GPS correction, and tamper detection, with an optional Bluetooth 5 module for added versatility.

Development on the BB series is streamlined through the use of Embedded Linux, a stable and highly networked operating system ideal for these hardware solutions. The multi-threaded, stable, and scalable nature of the platform significantly expands development capabilities. This combination of adaptable hardware and a robust software foundation makes the BB series a powerful and versatile solution for a wide range of applications.

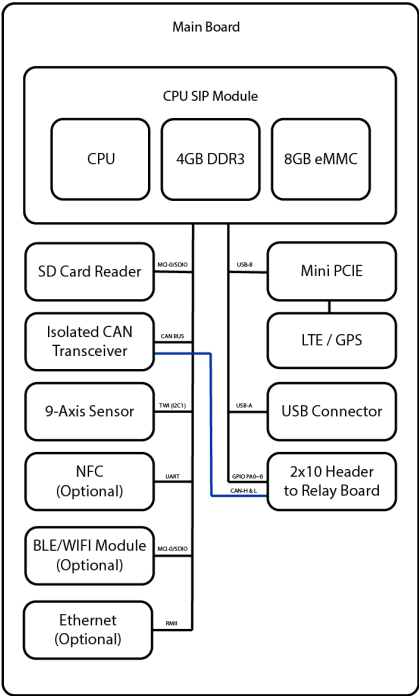
Product Image



Features

- NXP iMX6ULL ARM-based
- 4GB DDR3L / 8GB eMMC
- 9-Axis Sensor
- MINI-PCIE - LTE/GNSS Module
- CAN Bus
- Voltage Detection Circuit

Application



Specifications

Main Chipset	NXP iMX6ULL
Memory	4GB DDR3L SDRAM 8GB eMMC
Communication	Isolated CAN Transceiver Micro USB OTG UART Connector Mini PCIE Connector Micro-SIM Card Slot / eSIM Ethernet PHY (Optional)
Input Power	12-60V
Dimensions	116mm X 97mm X 47mm
Operating Temperature	0°C to 85°C ambient temperature
Storage Temperature	-20°C to 85°C ambient temperature
Humidity	0 to 90% maximum (non-condensing)