



Vehicle Control Unit (VCU)

Specifications

Type	Feature List
Features	Anti-theft & Immobilize
	Tow & Fall Detect
	Remote Ignition
	Geo-fencing
	Find-Me Mode
Feedback Signals	Dedicated Channels to Sense 12V Input Signals
	Channels to Sense 48V signal
	Channel to Sense Main Battery voltage
	Channel to Sense AUX Battery voltage
	Channel to Sense Controller operating Voltage
	NTC Temperature Sensors support
Control Signals	Dedicated Channels to drive 12V Load (3Amps each)
	Channels to provide 48V Enable Signal for Motor Controller
Communication	Supports Isolated CAN Communication
	Supports UART Communication
	BLE Communication to App(supports GATT/HFP/Classic)
	Telematics (HTTP, TCP/IP, MQTT, FTP)
Peripheral & Module Support	Telematics Module (2G & 4G Support)
	Bluetooth (BLE 4.0 onwards)
	GPS
	Accelro & Gyro
	SPI & I2C Peripheral support (optional)
Modes	Normal
	Sleep
	Holiday
Operating System	Supports Bare Metal & RTOS
Firmware Upgrade	Supports FOTA using Telematics
	Supports FW upgrade over BLE
	Supports wired FW upgrade Using CAN
	Wired Programming port
Data & Logging	Supports Periodic Data snapshot
	Supports Event & threshold based data snapshot
	Onboard Sd Card Logging (optional)
	Supports data snapshot saving in case network unavailability
Debug & Diagnosis	Supports Diagnosis over the CAN & Bluetooth
	Supports Wired Debugging

