## VCU Pro Onboard Unit Datasheet

Vehicle Telematics Unit





## VCU Pro Onboard Unit

VCU Pro is the advanced on-board unit from the Vehicle Connectivity Unit series. With 4 CAN interfaces (2 standard CAN and 2 CAN FD), 4 analog inputs and 4 digital outputs VCU Pro is a professional and robust vehicle gateway. Two independent processors ensure both a safe and secure connection to the vehicle network and also provide a universal communication capability.



CPU	ARM® 1 GHz	Automotive Connector	MOLEX (48 pins)
RAM	1 GB	Antenna Connectors	SMA Female
Memory	8 GB Flash		
Sensors	3 Axis Accelerometer	Mounting Option	Bracket
	3 Axis Gyro		
GNSS	GPS, Glonass, BeiDou, Galileo		

## VCU Pro Onboard Unit

Communication and Interfaces	Processors and modules	Mechanical
2x CAN 2.0B	ARM Cortex A8 (1GHz)	Material: Aluminum / Plastic
2x CAN FD	Infineon Aurix Microcontroller	Waterproof housing
4x Analog IN	(200MHz, 472 KB RAM)	Operating temperature
4x Digital OUT	HSM (Hardware Security Module) for	from -40°C to +85°C
1x Ethernet 100 BaseT	cloud communication secure key	Protection level: IP65
2x Ethernet BrdrR	storage	
WiFi 802.11 a/b/g/n	Second HSM for	Memory
Bluetooth 4.2	diagnostic key sessions	1 GB RAM
1x RS232	GTM (Generic Timer Module)	8 GB eMMC Flash
1x LIN		
1x K-Line	Sensor Network	Approvals
1x embedded SIM + 2x plastic SIM	3 Axis Accelerometer	E-Mark
(accessible)	3 Axis Gyro	ISO16750
Cellular - LTE Cat4 (EU, US,		Fire safety
Asia/Pasific version)	Power Supply	
	Nominal Voltage: 9-36 V DC	Certification
GNSS		CE
uBlox NEO-M8L with Dead	System	FCC
Reckoning	Linux Operating System	
	Fail-safe OTA update	

