Telematics Control Unit



Technical Specification

Parameter	Value and condition
Model	AutoPi TMU CM4 FD
Processor	Broadcom BCM2711 quad-core Cortex-A72, 1.5 GHz
Memory	1 GB LPDDR4 standard; 2 / 4 / 8 GB options
Storage	8 GB eMMC standard; 16 / 32 GB options
Cellular modem	4G/LTE Cat 4; 3G/EDGE fallback
Positioning	GPS, GLONASS, BeiDou, Galileo, QZSS
Wireless	Wi-Fi 2.4 / 5 GHz; Bluetooth 5.0 / BLE
Vehicle interface	2 x CAN FD, up to 5 Mbit/s
Expansion	2 x USB 2.0; Gigabit Ethernet; UART / I2C / SPI
Security	Hardware security element
Power input	12.5 V DC nominal; up to 35 V DC
Operating temperature	-20 to +70 C
Dimensions	133.5 x 68.2 x 36.6 mm
Weight	170 g
Operating system	Raspberry Pi OS with AutoPi Core

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