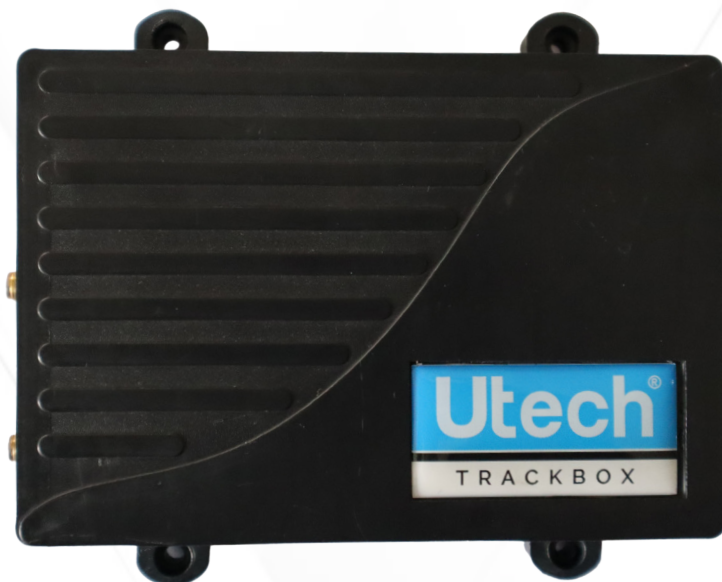


UTECH TRACKBOX 2G

PRODUCT FEATURES AND SPECIFICATIONS



The UTECH Trackbox is a device that is being used for vehicle remote monitoring. The device has the capability of interfacing various sensors of the vehicle and it can even communicate via CAN BUS protocol to obtain data. The external GPIO could be used for controlling remote units, allowing carrying out various tasks remotely while monitoring them. The unit has its own GPRS and GPS Module which will be used to communicate with the cloud server.



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PRODUCT FEATURES AND SPECIFICATIONS

Supply	Operating Voltage	9V – 30V
	Supply Protection	TVS protection, In built AC Surge protection, Fuse protected (1A)
	Power Consumption	~1.2Watts *Subject to change
	Supply Filters	Inbuilt supply EMI filters to cancel out various interferences coming from engines
	Internal Fuses	Internal fuses for each section to safe guard integrity, allowing sections to work even if others are damaged
Communication	GSM	2G Quad-band 850 / 900 / 1800 / 1900 MHz
	GSM Protection	Isolated section to ensure 0 interference with other components
	CANBus	Supports SAEj1939, j1850 Optically Isolated section – 5000Vrms 50-kV/us Typical transient immunity Bus Fault protection of -27V to 40V
Inputs	Analog	8 x (0V – 28V inputs) 16 Bit resolution – 0.001V Resolution Configured to act as a parasite input while ensuring signal integrity. Need only 350uA to sense voltages +/- 8kV contact discharge protection ESD Isolated section with common ground
Inputs	Digital	4 x (0 – 24V) Switching voltage 3.0V Optically Isolated inputs with common ground Configured to act as a parasite input while ensuring signal integrity. Need only 350uA to sense voltages Can be configured to interface Temperature probes (Optional)
	Magnetic Pickup	Configured to fix 1 RPM sensor Monitor RPM up to 8000RPM
	Current Sensor	1 (0mA to 4000mA) Optional input
Outputs	Relay	1 240VAC / 2A 36V / 10A Optically isolated
	5V Output	External 5V output for aux devices Max Current output – 0.5Amp Resettable fuse protected
Auxiliary	Battery backup	1600mAH Li Ion
	Internal RTC	Yes
	IP Rating	IP 42
	Dimension	L – 15Cm, W – 9cm, H – 3.5cm *subject to change