

CAN2IO Accessory CAN-BUS

Date: 07.12.2023
Version: Version 1

Endianness:	Little Endian. In this format, the least significant byte (LSB) of the number is sent first.
Baudrate:	500 kbit/s

Message Name: **ID:** **Interval:**
motorGenData 0x777 200 ms

Name	Start Bit	Length [bit]	Type	Factor	Offset	Unit	Comment	Signal Description
Motor Power	0	16	Signed16	1	0	W	Motor power usage	Power consumption/generation by motor in watts (negative Values: Motor is generating Power)
Motor RPM	16	16	Signed16	1	0	RPM	Motor speed	Revolutions per minute of the motor
Motor Temperature	32	8	Signed8	1	-50	°C	Motor temp	Temperature of the motor in Celsius Value 0 == 50°C, Value 100 = 150°C
Generator Power	40	16	Unsigned16	1	0	W	Generator power	Power output of the generator in watts
Generator Assist Level	56	8	Unsigned8	1	0	-	Generator mode	Operational mode of the generator 0 to 15 (0 =Parking 1 - 5 Assist Levels 6=RFID Locked)

Message Name: **ID:** **Interval:**
batteryData 0x778 200 ms

Name	Start Bit	Length [bit]	Type	Factor	Offset	Unit	Comment	Signal Description
Battery State of Charge	0	8	Unsigned8	1	0	%	Battery charge	Percentage of the battery's current charge
Battery State of Health	8	8	Unsigned8	1	0	%	Battery health	Percentage indicating the health of the battery
Battery Power	16	16	Signed16	1	0	W	Battery power	Power supplied/drawn from the battery in watts
Battery Voltage	32	16	Unsigned16	1	0	mV	Battery voltage	Current voltage of the battery in millivolts
Battery Temperature	48	16	Unsigned16	1	0	K	Battery temp	Temperature of the battery in Kelvin

Message Name: **ID:** **Interval:**
VEHICLE_PART1 0x779 200 ms

Name	Start Bit	Length [bit]	Type	Factor	Offset	Unit	Comment	Signal Description
Vehicle Speed	0	8	Unsigned8	1	0	km/h	Vehicle speed	Speed of the vehicle in km/h
Vehicle Direction	8	8	Signed8	1	0	-	Driving direction	Direction of vehicle movement (-1 for backward, +1 for forward)
Vehicle Gear	16	8	Unsigned8	1	0	-	Vehicle gear	Current gear of the vehicle
Vehicle Mileage	24	32	Unsigned32	1	0	km	Total mileage	Total mileage of the vehicle in kilometers

Message Name: **ID:** **Interval:**
VEHICLE_PART2 0x77A 200 ms

Name	Start Bit	Length [bit]	Type	Factor	Offset	Unit	Comment	Signal Description
Vehicle Error Code	0	16	Unsigned16	1	0	-	Error code	Codes representing errors in the vehicle
Vehicle Recouperation	16	8	Unsigned8	1	0	-		0 for no recouperation, 1 for recouperation