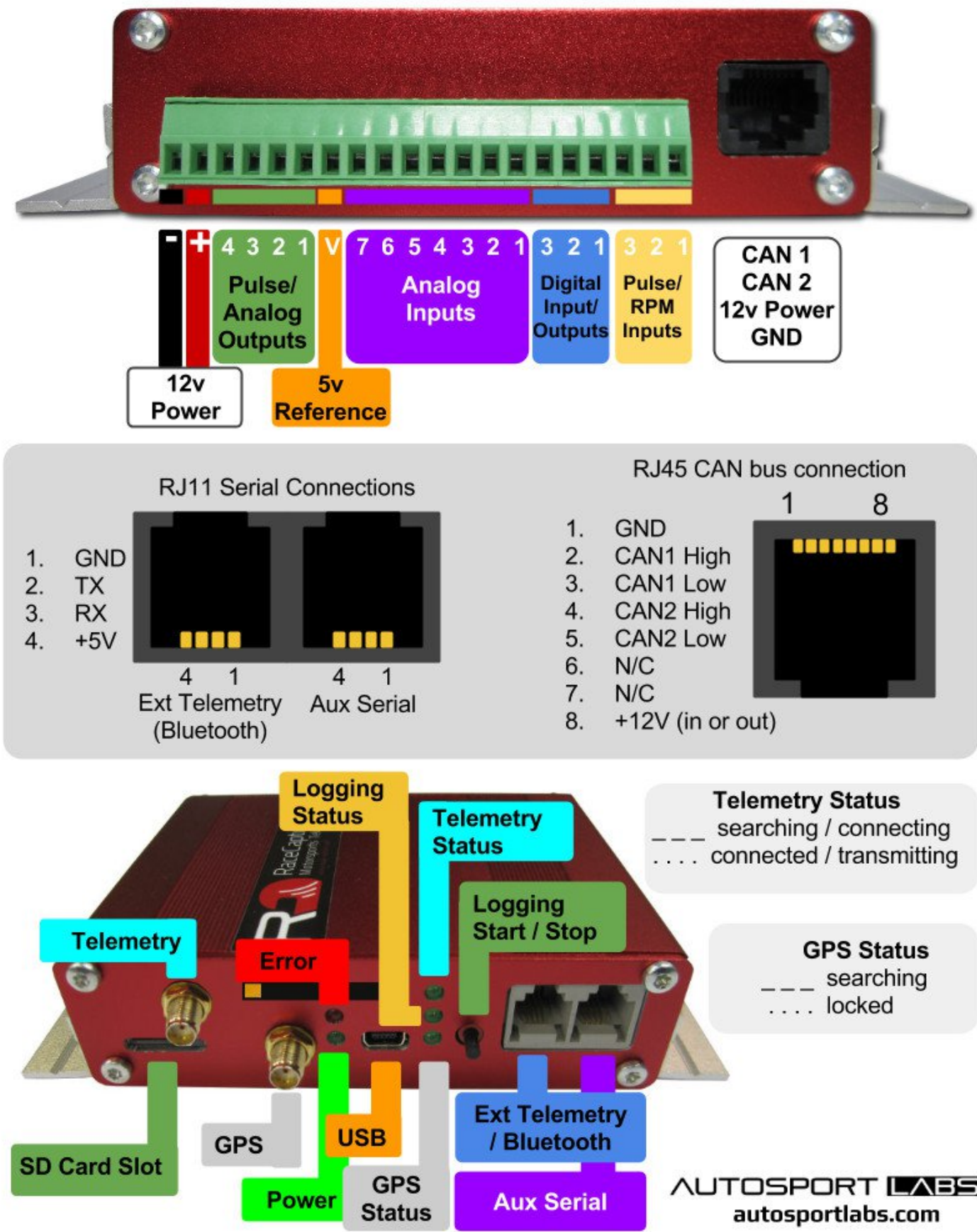


RaceCapture/Pro MK2 Quick Reference



RaceCapture/Pro MK2 Specifications

Input / Output Channels	
Analog Inputs	

Channels	8 (battery voltage dedicated on channel 8)
Voltage range	0-5v
Input impedance	1M ohm
Voltage protection	400v (intermittent)
ADC precision	12 bit
Maximum sample rate	1000Hz
Mapping	Raw / Linear formula / Interpolated map
Digital I/O	
Channels	3
Output mode type	Open drain
Output current capacity	1A, inductive clamped
Input mode voltage range	0-12v
Input voltage protection	400v (intermittent)
Maximum sample rate	1000Hz
Timer Inputs (RPM / Frequency)	
Channels	3
Input voltage protection	400v (intermittent)
Maximum sample rate	1000Hz
PWM/Analog outputs	
Channels	4
PWM output type	push/pull
PWM output voltage range	5v
Output current capacity	50mA
Analog Output	0-5v
Voltage Reference	
Output Voltage/Capacity	5v / 1A
Connectivity	
CAN Bus	
CAN Channels	2
CAN baud rate	125K, 250K, 500K, 1M baud
CAN Termination	120 ohms terminated, both channels
CAN filters	14 per channel
Protocol support	OBDII PID (CAN 1), custom CAN messaging
Telemetry/Wireless	
Cellular (North America)	3.5G GSM 850/1900MHz (internal module, optional)
Cellular (Worldwide)	2.5G Quad-band GSM (internal module, optional)
Bluetooth	Bluetooth 2.0 (external module, optional)
Aux Serial	Type External RJ11 / RS232 signaling
Max Baud Rate	230400
Inertial Motion Unit	
Accelerometer Channels	3 (X/Y/Z) (2G, 4G capable)
Gyro	3 (Yaw/Pitch/Roll) (1000 degrees/sec)
GPS Type	External active antenna
GPS Maximum sample rate	50Hz
GPS accuracy	2.5M CEP
Storage	
Micro SD	Up to 32GB (SDHC) FAT32

Configuration Capacity	
Auto-detect track database	240
Sectors per track	20
Channel support	200
Physical	
Dimensions	5.3" (width) x 4.2" (height) x 1.2" (tall) / 135x110x31 mm(est)
Mounting area	5.5"(140mm) x 4"(102mm)
Mounting holes	Dual mounting points on 5" (127mm) centers - 0.125"-0.25" (3-6mm) fastener
Weight	9oz / 255gm (est)
Power connection	Terminal block: 1A max RJ45: 1A max
Power Consumption (max)	Main System: 0.6W With Bluetooth: 1.6W With Cellular Telemetry: 8.6W With Cellular Telemetry and Bluetooth: 9.6W
Temperature	Max Internal Temperature while operating: -40°C ~ 85°C / -40°C ~ 80°C (Telemetry module)



Retrieved from "<https://wiki.autosportlabs.com/index.php?title=RaceCapturePro&oldid=6733>"

Copyright 2004-2016 Autosport Labs - All Rights Reserved