

CANPowerControl

Automotive-grade, ruggedized I/O expander for CAN controlled current switching and voltage measurements



- Controls 3 x 10A: 1 x Relay, 2 x Low-Side Switches with Protection-Diodes
- Measures 2 x Inputs: 0 - 30V DC Voltmeter
- Advanced PWM Function Generator for both Low-Side Switch channels
- Easy configuration directly over CAN: No other Software or Licenses needed!
- Make your own harness: Standard, sealed Automotive connector
- IP67: Water- and Dust-proof housing (130x100x40mm)

Automotive Power Supply
9-30V DC
ESD and power-surge protected

CAN Interface

Config & Full use over CAN !
v2.0B(Extended ID)
Configurable speed and IDs
Termination DIP-Switch on PCB

Mode-Select

Ground sensing input, used as hardware write protection



Automotive grade
8-bit
CPU
ATMega328P
@8Mhz for low EMC

Optional available as
Automotive Arduino:
Write your own software
over the Arduino IDE

1 x Relay

10A 30V DC
(Single Pole Double Throw)

2 x Low-Side Switches PWM

10A Power Mosfet with fly-off diodes
0-100% duty cycle in 16-bit resolution
1Hz - 1000Hz base frequency

2 x Voltmeter

0-30V DC non-isolated
10-bit resolution
100Hz sampling

IP 67 Water and dust-proof housing

