



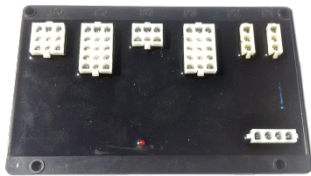
# GP450

## Vehicle Controller

### Product Highlights

- CANbus enabled Vehicle controller
  - IC, hybrid, and electric Powered Vehicles
- Many I/O ...All types...High Side Digital Outputs, Analog, PWM, Digital Inputs

The **GP450** is an electronic controller for electric, hybrid, and IC industrial vehicles. For the Industrial Vehicle OEM with a wide ranging product line the GP450 offers the ability to standardize and customize their product line with a single machine controller for all vehicles. It's wide variety and numerous I/O are sufficient for many vehicle designs. If additional features are required, the OEM has the ability to customize to each vehicles' product requirements using CANbus . For example it may command a motor controller such as Trionic's SEM600 or P600 or control I/O such as Trionic's General Purpose GP440 Platform I/O, GP Mini I/O, H-Bridge Module or, the Valve Current Control Module (VCCM) for the precise control of control valves.



TRIONIC  
vehicle controls

### General Features

- Provides protected high side outputs
- Provides PWM outputs
- CANbus interface
- RS232 connection to hand-held "EZcal" for calibration and diagnostics
- "FLASH" memory allows configuration to specific customer needs
- Failsafe functionality to comply with EN 954-3
  - Series-wired output switches from independent microprocessors
  - Detects short-circuit output switches

### Technical Data

Power Supply	12/24V		8.5 to 33 Vdc
High Side Output	5	protected	
PWM Output (high side)	7	protected	
Low side Outputs	2	protected	
Positive Digital Inputs	17	1.25KΩ imp.	1 RPM counter
Analog Inputs	7	protected	0 to 5 V
Water Proof	IP 67		
Working Temperature	-40 + 60°C		
Overall Dimensions	7.3" x 4.5" x 1.5" 185 x 115 x 39mm		LxWxH

