



DESCRIPTION

This low cost control unit can manage the ignition and injection of any 4 strokes engine system.
Heart of the ECU is the MPC565 Power PC from Freescale, and with the 56Mhz system clock guarantee high calculation performances.

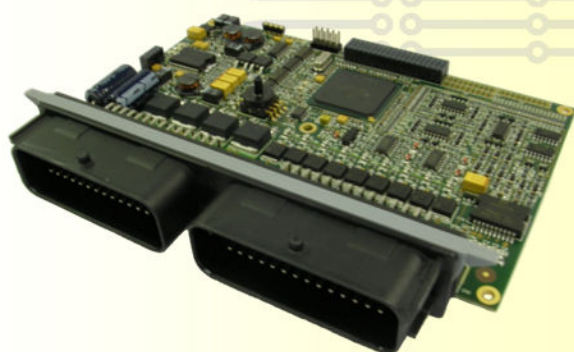
Full parameter customizations and the automapping feature, are the keys for maximum flexibility, and permit to adapt this ECU to many different engine configurations:

- 1 to 4 cylinders
- 1 to 2 injectors per cylinder
- aspirated or turbo charged
- different free wheels and signal systems

On-board CAN and RS232 lines, provide a simple and standard way to connect the ECU to a data logger system or a common PC

A 3D Windows application, purposely developed for this unit, is designed for customize and monitor all the system parameters and the external sensors data.

The BOX includes an aluminum bottom plane, with 4 fastening points, and a black plastic cover.



TECHNICAL DATA

Mechanical data

Dimensions (no fastening)	170 x 130 x 40
BOX	Aluminum/Plastic Cover
Main Connector	FCI211PC562S0008
Weight	500g

Inputs

Analogic	11
Digital	6
Lambda Sensor	1
Load Cell	1
Pick-up inductive / hall	2
Battery Level	1
Wheel Speed	2

Outputs

Injector Driver	8
Coil Driver	4
H Bridge	1
Water Pump	1
Fuel Pump	1
Fan	1
RPM	1

Communication

CAN Line (1Mbit/s)	1
RS232 Line	1

Electrical Data

Power Supply	8 - 18Vdc
Temperature Range	-20 - 85°C

Software

Windows application MON172, with 3D maps viewer