



### DESCRIPTION

This control unit can manage the ignition and injection of any 4 strokes engine system, up to 8 cylinders.

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 8 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

An expansion slot allows to integrate a data logger system, such as Lizard from Digitek, directly on-board.

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)	175 x 130 x 45
BOX	Aluminum/Plastic Cover
Main Connector	AMP 1241434
Weight (No Lizard)	550g

#### Inputs

Analogic	22
Digital	14
Lambda Sensor	2 (UEGO/NBEGO)
Load Cell	1
Pick-up inductive / hall	2+2
Battery Level	1
Wheel Speed	4
TCK Probe	2
Drive by wire (main+aux)	1

#### Outputs

Injector Drivers	8
Coil Drivers	6
H Bridge	2
Water Pump	1
Fuel Pump	1
Fan	1
Tacho	1
Stepper Motor	1

#### Communication

CAN Line (1Mbit/s)	2
RS232 Line	1

#### Lizard (optional)

USB Line	1
Analogic Inputs	4

#### Electrical Data

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

#### Software

Windows application MON205, with 3D maps viewer