



# MICROTEC

## MON180

### DESCRIPTION

This ECU can manage any 4 strokes combustion engines, up to 2 cylinders.

Heart of the system is the MPC5534 Power PC from Freescale, and with a 80Mhz 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:

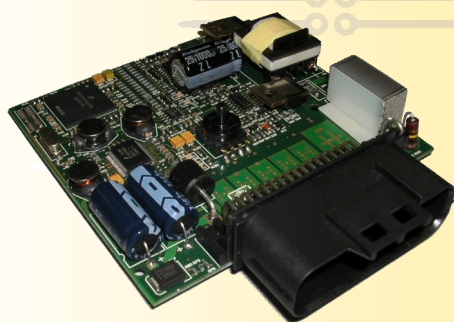
- 1 or 2 cylinders
- CDI or inductive ignition
- up to 2 injectors

For mono-cylinder, phase engine are detected by special software routines, without the need of an external cam sensor

On-board CAN, 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.

With a very compact design, installation process is very simple and quick.



### TECHNICAL DATA

#### Mechanical data

Dimensions (no fastening)	90 x 95 x 17
Main connector	JAE-MX23A34NF1
Weight	300g

#### Inputs

Analogic	8
Digital	4
Lambda Sensor	2 (UEGO-NBEGO)
Pick-up inductive	1
Battery Level	1

#### Outputs

Injector Drivers	2
Coil Commands	2
CDI output	1
Water Pump	1
Fan	1
RPM	1
Warning Lamp	1
Idle Valve	1
Light	1

#### Communication

CAN Line (1Mbit/s)	1
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#### Electrical Data

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

#### Management Software

Windows application MON180, with 3D maps viewer.