

## Euro-1 ECU

Euro 1 is a comprehensive and well developed low cost entry level engine management system from EFI Technology.

Having been developed for road car use the Euro 1 offers a level of flexibility far superior to many of its rivals. 32 x 32 high definition mapping allows the development of a heavily tailored map. This ensures both the ultimate in driveability and performance. Other impressive features include a programmable "flat" shift option as well as an output which can be configured as a shift light.

Euro 1 can also accommodate a wide band lambda sensor used with its automatic mapping feature plus a standard lambda sensor for use with environmental fuel control.

The ECU controls a drive-by-wire electronic throttle body via an external unit.



### System Overview

4 cylinders in semi sequential mode  
6 and 8 cylinder configuration using a distributor  
Automatic fuel mapping  
Closed loop lambda control  
Closed loop boost control  
Variable camshaft timing for Honda K20A  
Idle speed control for air bypass valve or stepper motor  
Drive-by-Wire throttle control (requires external module)

### General

Sealed, lightweight plastic enclosure  
35-pin automotive main connector  
Dimensions 152 x 122 x 44 mm  
Weight 340 grams

### Communication

1 x CAN 2.0B interface

### Inputs

1 inductive or Hall effect crankshaft speed sensor input  
1 inductive or Hall effect cam sensor input  
1 built-in barometric air pressure sensor  
1 lambda sensor input  
5 universal sensor inputs  
2 general purpose switches

### Outputs

4 on-off fuel injector drivers  
2 inductive or logic ignition coil drivers  
4 multipurpose switches  
1 stepper motor driver  
2 PWM drivers  
1 sensor power supply

### Special Features

Control strategy for sequential gear change

### Conditions for Use

Temperature range -40...+75 degrees C  
Power supply 7..16 volts