

Euro-12 version C

Euro-12 is a hugely versatile and powerful engine management system from EFI Technology. Its high performance and impressive reliability make it a favourite amongst the higher levels of motorsport and automotive development industries.

The ECU can easily be configured to run engines having between 1 and 12 cylinders. It can control many different engine configurations including variable camshaft timing.

Euro-12 has 12 injector drivers and 12 coil drivers. It can control engines using port injection and direct injection (via external driver stage), has inputs for two knock sensors and two wide band lambda sensors. Data can be recorded using Euro-12's internal 8 Mb data logger. Data channels can be exchanged with other systems via CAN, such as our PCM and membrane switch panels, data loggers, dashboards etc. Its extensive CAN (**C**ontroller **A**rea **N**etwork) capabilities ensure a simplified electrical installation combined with very advanced features. It has a user defined CAN export of sensor data and switch status with up to 15 available CAN identifiers.

Up to 16 sensor data channels and commands from various switches can be imported via CAN.

System Overview

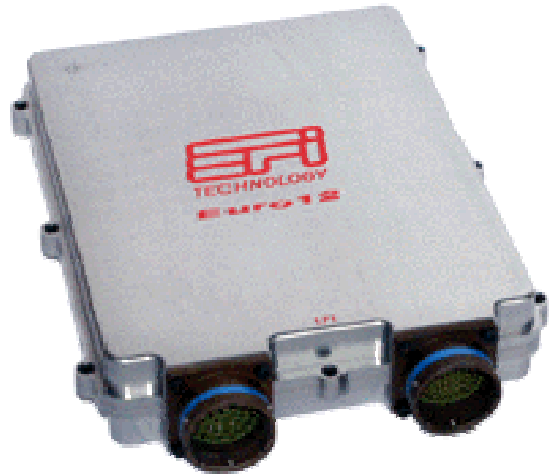
- 12 cylinders in full sequential mode
- On-board data logging
- Automatic fuel mapping
- Closed loop lambda control
- Automatic boost control mapping
- Traction control
- Variable camshaft timing
- Idle speed control
- Drive-by-Wire control
- 4 selectable engine maps

General

- Sealed CNC machined aluminium enclosure
- 2 military technology connectors
- Dimensions 225 x 159 x 40 mm
- Weight 1,100 grams

Communication

- 2 x CAN 2.0B interfaces
- 1 x current loop serial link



Inputs

- 4 inductive speed and sync sensor inputs
- 2 Hall effect crank and cam sensor inputs
- 2 knock sensor inputs
- 2 NTK wide band lambda sensor inputs
- 18 universal sensor inputs
- Up to 16 additional sensor inputs via CAN
- 4 Hall effect wheel speed sensors
- 10 multipurpose switches

Outputs

- 12 peak & hold fuel injector drivers
- 12 inductive or logic ignition coil drivers
- 10 multipurpose switches and PWM's
- 2 lambda heaters
- 4 sensor power supplies

Special Features

- Control strategy for direct fuel injection
- Control strategy for paddle gear change
- Traction control
- 8 Mb logger memory capacity
- Comprehensive CAN features

Conditions for Use

- Temperature range -40...+85 degrees C
- Power supply 7..16 volts