Euro-12 version C - 2010

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

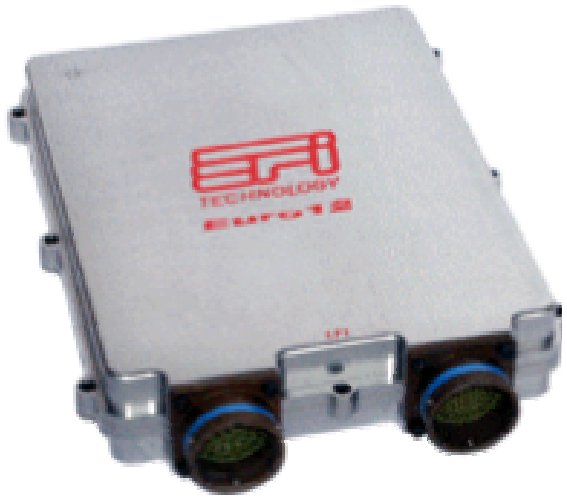
12 cylinders in full sequential mode
On-board data logging
Automatic fuel mapping
Closed loop lambda control
Automatic boost control mapping
Traction control
Variable camshaft timing
Idle speed control
Drive-by-Wire control
4 selectable engine maps

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
16 additional sensor inputs via CAN
4 Hall effect wheel speed sensors
Supplement wheel speed import via CAN
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
PID traction control using target slip maps
8 Mb logger memory capacity
Comprehensive CAN features
On-board paddle shift gear change controller

Conditions for Use

Temperature range -40…+85 degrees C
Power supply 7..18 volts

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