

# PE3 8400

The **PE3-8400** series engine control unit is a compact, adjustable system that handles fuel and ignition responsibilities for almost any engine. The long features list, ease of use and small size make it a great addition to any vehicle, on or off-road.

## General System Features

- Completely adjustable via a laptop
- Waterproof option
- Dedicated CAN bus
- Standard 1MB of on-board data logging
- 25,000+ max RPM
- Password protected access
- Fast and reliable communication via Ethernet
- Extensive error and diagnostic functions
- Primary/Secondary main fuel and ignition tables

## Fuel Specific Control

- Barometric Pressure, Acceleration, Deceleration, Battery, Air Temp, Coolant Temp and Starting compensations
- Individual cylinder trims
- Dual sensor closed loop control with adaptive learning
- Sequential, batch, semi-sequential or staged injector firing
- Adjustable injection timing control
- Saturated or peak-and-hold injector drivers



**Not A Piggyback!**

Aluminum Enclosure

Plastic,  
Waterproof  
Enclosure

## Ignition

### Specific Control

- Coil-on-plug, wasted spark or distributor ignition
- Inductive igniters built into the ECU
- Starting, Air Temp, Coolant Temp and Barometric Pressure compensations
- Individual cylinder trims

## System Inputs

- MAP, TPS, Barometric Pressure, Air Temp, Coolant Temp, Battery Voltage, Crank, Cam, Thermistors, EGO
- Up to 8 generic analog inputs
- 2 additional thermistor inputs
- Up to 7 user configurable digital inputs

## System Outputs

- Fuel pump driver
- 8 peak-and-hold or saturated injector drivers
- 4 ignition coil drivers with internal igniters
- Dedicated tachometer driver
- Idle air stepper motor driver
- Up to 10 user configurable digital outputs
- Up to 8 Pulse Width Modulated outputs with adjustable duty cycles based on 3-D tables

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