

Input

- Crank
- 2 Cam
- 2 Pairs Throttle Position (TPS + Safety Backup)
- 2 Manifold Pressure
- 2 Mass Air Flow (PWM)
- 2 Pedal (includes Safety Backup)
- 2 Knock control
- Barometric Pressure
- Engine Temperature
- Air Temperature
- Battery Voltage
- 1 Wide Band Lambda Sensors
- 1 Narrow Band Lambda Sensors
- Gear Position
- 4 Wheel speed
- 31 Analogue Input
- **8 Programmable Analogue input options:**
- Fuel Pressure
- Oil Pressure
- Oil Temperature
- Gearbox Oil Temp /Diff Temp
- Power shift
- Gear Position
- Air Accumulator Pressure (Pneumatic gearbox control)
- Neutral request
- EGT
- Launch
- Anti-Lag
- Rain Light request
- Start Button input request

Output

- 4 Direct Injectors – Solenoid type
- 4 Injectors - Port type
- 4 Ignition – External Amp
- 2 H Bridge (EGas motor)
- 3 High Side (3 PWM capable)
- 4 Low side PWM drive (3A drive)
- 4 Low side PWM signal (1A drive)
- 1 Direct Injection Fuel Pump
- 2 Lambda Heater
- 8 Low side digital
- Starter Solenoid
- 2 CAN bus connections

As there are continually new functions added, you will need to download the latest version of Easimap to find out what options are available.



Control Strategies

- Fly-by-wire/EGAS
- Direct Sequential Fuel Injection
- Port Sequential Fuel Injection
- Sequential Ignition
- Programmable Dwell Control
- Multiple Crank Trigger Wheels
- Acceleration Fuel
- Overrun fuel cut-off
- Wide Band Closed Loop Lambda (1 input)
- Narrow Band Closed Loop Lambda (1 input)
- Fuel Pump Relay
- Gearshift Light
- Radiator Fan Control
- Powershift

- Full Gearbox Control
- Pneumatic compressor control
- Launch Control
- Boost Control
- Water Pump control (PWM)
- Traction Control
- Variable Cam Control
- Anti Lag
- Starter Motor Control
- Pit Lane Speed Limiter
- Low Oil pressure warning
- Nitrous oxide control
- CAN Data Stream
- NEW functions added all the time*

Main Maps

Fuel injection & ignition timing which have 64 speed sites & 16 load sites that are both fully programmable. They are 16bit, which give ultra fine control. Throttle angle or Manifold pressure (MAP)

Compensation Maps

Compensations are applied to injection duration and ignition timing via Fuel Pressure, Engine Temperature, Intake Air Temperature, Barometric Pressure, Manifold Pressure and Battery Voltage

On-board Data Logging

On board Histograms
In built 512kB Data logger
Engine run time hour clock

Windows Mapping

Windows7/Windows8/8.1/Windows10 mapping via USB/CAN interface (Hardware available separately)
Graphical map editing
Infinitely Adjustable Rotary encoder mapping (Requires CAN Pro mapping kit)
Closed Loop Lambda mapping

CAN Data Interfaces

2 x MBE CAN datastream interfaces
2nd CAN Bus with configurable data stream speed to suit logging systems with different speeds
Configurable CAN data stream for external logger or display

Software Upgrades

9A6 ECUs have upgradeable software to allow new and improved functions to be added

Physical Data

Envelope: 193 X 175 X 35 mm
Mass: TBA
Operating: -40C to +85C (-40F to 185F)
Supply voltage: 6.5V to 23V
Case: CNC Aluminium
Mounting: Dependant on installation
Connector: Two connectors Total of 121 Pin (Connector A 81 Pins & B 40 Pins)