

T-SERIES ECU

T12+



- Knock & Fly-By-Wire control
- Dual wideband Lambda control
- Up to 12 cylinders
- 37 inputs
- 42 outputs
- 10 control strategies
- IP67 billet aluminium case

The T12+ is the big daddy in the DTA range. It's packed with pretty much everything you'd need to run complex engines up to 12 cylinders, fully sequentially. Dual fly-by-wire, dual knock, quad variable cam, paddle shift - everything but the kitchen sink!

T-Series engine control units are powered by an all-new, automotive specific, multi-core processor. They feature Bosch lambda controllers for maximum accuracy, multiple safety redundancies, high resolution map tables, fully configurable I/O and up to 32Mb of up to 1Khz logging with compression algorithms for fast log downloads. The PC software has a user-friendly, responsive design for better readability on high resolution monitors using high scaling (DPI). It features a full oscilloscope for crankshaft/camshaft signal analysis and allows firmware to be upgraded without special cables or separate software.

INPUTS

Analogue (0-5v)	16
Digital	9
Thermistor (NTC)	3
Wheel Speed	4
Wideband Lambda	2
Knock	2

OUTPUTS

Digital (PWM)	12
Coil Drivers	12
Injector Drivers	12
Cam Solenoid Drivers	4
H-Bridge (FBW) Drivers	2

COMMUNICATIONS

USB	For PC connection
Serial	For dyno box connection
CAN bus	For communication with dashboards, power distribution modules, dataloggers etc.

CONTROL STRATEGIES

Auxiliary PWM Control	✓
Pit Limiter	✓
Launch Control	✓
Flat-shift Control	✓
VTEC Control	✓
Boost Control	✓
Idle Control	✓
Wideband Lambda	dual
Variable Cam Control	quad
Traction Control	✓
Wet/Dry Traction	✓
Fly-by-wire Control	dual
Knock Control	dual
Paddle-shift Control	✓

MISC

Dimensions	188x176x25-42mm
Weight	894g
Material	billet aluminium
Ingress Protection	IP67
Hardware Upgradeable	No