



	E550	E750	E1000	E1500	E2000	E2500	E2500 T	E2500 + REM	PRO Plug In	SPORT GM	
OUTPUTS	Injection Outputs	1 - 4 Unused outputs are NOT re-assignable	1 - 6 Up to 5 unused are re-assignable as extra user defined outputs	1 - 4 Up to 3 unused are re-assignable as extra user defined outputs	1 - 4 Up to 3 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused are re-assignable as extra user defined outputs	1 - 16 Up to 7 unused on E2500 are re-assignable as extra user defined outputs	As per OEM vehicle	2
	Ignition Outputs	1 - 4 Unused outputs are NOT re-assignable	1 - 6 Up to 5 unused are re-assignable as extra user defined outputs	1 - 4 Up to 3 unused are re-assignable as extra user defined outputs	1 - 4 Up to 3 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused are re-assignable as extra user defined outputs	1 - 8 Up to 7 unused on E2500 are re-assignable as extra user defined outputs	As per OEM vehicle	1
	Dedicated Outputs (non re-assignable)	0	0	1 ECR	1 ECR	1 ECR	1 ECR	1 ECR	1 ECR + REM coms	As per OEM vehicle	As per OEM vehicle
	User Definable Outputs	5 inc fuel pump	5 inc fuel pump	9 inc fuel pump	11 inc fuel pump	9 inc fuel pump	11 inc fuel pump	11 inc fuel pump	9 + 8 inc fuel pump	4 via rear AUX Connector	4 via rear AUX Connector
	Total Outputs	13	17	18	20	26	28	28	42	N/A	N/A
INPUTS	Dedicated Inputs (non re-assignable)	6 Crank, Cam, Air & Coolant Temp TPS Internal MAP	3 Crank, Cam Internal MAP	5 1 x Knock Crank, Cam Ignition Switch Internal MAP	5 1 x Knock Crank, Cam Ignition Switch Internal MAP	6 2 x Knock Crank, Cam Ignition Switch Internal MAP	6 2 x Knock Crank, Cam Ignition Switch Internal MAP	6 2 x Knock Crank, Cam Ignition Switch Internal MAP	6 2 x Knock Crank, Cam Ignition Switch Internal MAP + REM coms	As per OEM vehicle	As per OEM vehicle
	User Definable Inputs	2 1 Analogue 1 Digital	7 5 Analogue 2 Digital	14 10 Analogue 4 Digital	14 10 Analogue 4 Digital or Analogue	14 10 Analogue 4 Digital	14 10 Analogue 4 Digital or Analogue	14 10 Analogue 4 Digital or Analogue	27 10 + 10 Analogue 3 Digital or Analogue 4 Digital	4 + Direct Flexfuel input on selected models via rear AUX Connector	4 via rear AUX Connector
	Total Inputs	8	10	19	19	20	20	20	33	N/A	N/A
CAN & I/O EXPANSION	Additional Inputs/Outputs (I/O) (via external CAN expansion)	Single I/O Expander 12 4 x AVI 4 x DPI 4 x DPO	Single I/O Expander 12 4 x AVI 4 x DPI 4 x DPO	Up to 2 I/O Expander 12 Up to 8 x AVI Up to 8 x DPI Up to 8 x DPO	Up to 2 I/O Expander 12 Up to 8 x AVI Up to 8 x DPI Up to 8 x DPO	Up to 2 I/O Expander 12 Up to 8 x AVI Up to 8 x DPI Up to 8 x DPO	Up to 2 I/O Expander 12 Up to 8 x AVI Up to 8 x DPI Up to 8 x DPO	Up to 2 I/O Expander 12 Up to 8 x AVI Up to 8 x DPI Up to 8 x DPO	Up to 2 I/O Expander 12 When REM User Definable I/O is disabled	Up to 2 I/O Expander 12 Up to 8 x AVI Up to 8 x DPI Up to 8 x DPO	Single I/O Expander 12 4 x AVI 4 x DPI 4 x DPO
FEATURES	Waterproof	✓	✓	✓ (with pocket cover)	✓ (with pocket cover)	✓ (with pocket cover)	✓ (with pocket cover)	✓ (with pocket cover)	✓ (with pocket cover)	✗	✗
	DBW Throttle	✗	✗	✗	1 Requires (2) user defined outputs & (4) user defined inputs	✗	1 Requires (2) user defined outputs & (4) user defined inputs	1 Requires (2) user defined outputs & (4) user defined inputs	✗	As per OEM vehicle	✗
	Low Imp Injector control	✓ 8A Peak 2A Hold	✓ 8A Peak 2A Hold	✓ 8A Peak 2A Hold Programmable peak time	✓ 8A Peak 2A Hold Programmable peak time	✓ 8A Peak 2A Hold Programmable peak time	✓ 8A Peak 2A Hold Programmable peak time	✓ 8A Peak 2A Hold Programmable peak time	✓ 8A Peak 2A Hold Programmable peak time	✓	✓
	Flex Fuel Input	✗	✓ Direct input	✓ Direct input	✓ Direct input	✓ Direct input	✓ Direct input	✓ Direct input	✓ Direct input	✓ Direct input on selected models otherwise requires I/O 12 Expander	✓ Requires I/O 12 Expander
	Closed Loop O2 Control (With optional external CAN O2 Wideband Controller Kit)	✓ Single (Short Term)	✓ Single (Long Term Learning)	✓ Dual Bank (Long Term Learning)	✓ Dual Bank (Long Term Learning)	✓ Dual Bank (Long Term Learning)	✓ Dual Bank (Long Term Learning)	✓ Dual Bank (Long Term Learning)	✓ Dual Bank (Long Term Learning)	✓ Single or Dual as per OEM vehicle (Basic Long Term)	✓ Single (Short Term)
	Knock Control	✗	✗	✓ Single (Short Term)	✓ Single (Long Term Learning)	✓ Dual (Short Term)	✓ Dual (Long Term Learning)	✓ Dual (Long Term Learning)	✓ Dual (Long Term Learning)	As per OEM vehicle	✗
	Variable Cam Control	✗	1 Single cam sensor only. Requires 1 user defined input & output	Up to 2 (Intake Only) Requires a minimum of (1) user defined input & output per variable cam	Up to 4 Requires a minimum of (1) user defined input & output per variable cam	Up to 2 (Intake Only) Requires a minimum of (1) user defined input & output per variable cam	Up to 4 Requires a minimum of (1) user defined input & output per variable cam	Up to 4 Requires a minimum of (1) user defined input & output per variable cam	Up to 4 Requires a minimum of (1) user defined input & output per variable cam	As per OEM vehicle	✗
	Closed Loop Idle Speed Control	BAC Requires (1 or 2) user defined outputs	BAC Requires (1 or 2) user defined outputs	BAC Requires (1 or 2) user defined outputs or 4 wire stepper Requires (4) user defined outputs	BAC Requires (1 or 2) user defined outputs or 4 wire stepper Requires (4) user defined outputs	BAC Requires (1 or 2) user defined outputs or 4 wire stepper Requires (4) user defined outputs	BAC Requires (1 or 2) user defined outputs or 4 wire stepper Requires (4) user defined outputs	BAC Requires (1 or 2) user defined outputs or 4 wire stepper Requires (4) user defined outputs	BAC Requires (1 or 2) user defined outputs or 4 wire stepper Requires (4) user defined outputs	As per OEM vehicle	As per OEM vehicle
	Long Term Learning (Auto Tune)	✗	Fuel, Idle & Cam Control Up to 3D	Fuel, Idle, Boost & Cam Control Up to 3D	Fuel, Ignition, Idle, Boost & Cam Control Up to 4D	Fuel, Idle, Boost & Cam Control Up to 3D	Fuel, Ignition, Idle, Boost & Cam Control Up to 4D	Fuel, Ignition, Idle, Boost & Cam Control Up to 4D	Fuel, Ignition, Idle, Boost & Cam Control Up to 4D	Fuel & Ignition as per OEM. Basic	✗
	Data Logging	Direct to Laptop Log all available channels directly to your hard drive for tuning and diagnostics	Laptop & Onboard 512 KB, 10 Channel (Max rate 50ms - 20Hz)	Laptop & Onboard 1 MB, 20 Channel (Max rate 50ms - 20Hz)	Laptop & Onboard 2 MB, 40 Channel (Max rate 5ms - 200Hz)	Laptop & Onboard 1 MB, 20 Channel (Max rate 50ms - 20Hz)	Laptop & Onboard 2 MB, 40 Channel (Max rate 5ms - 200Hz)	Laptop & Onboard 2 MB, 40 Channel (Max rate 5ms - 200Hz)	Laptop & Onboard 2 MB, 40 Channel (Max rate 5ms - 200Hz)	Laptop & Onboard 448 KB, 20 Channel (Max rate 5ms - 200Hz)	Laptop & Onboard 448 KB, 10 Channel (Max rate 5ms - 200Hz)
	CAN Ports	1 Haltech Dashes and expansion devices or OBDII (Live data & diagnostics)	1 Haltech Dashes and expansion devices or OBDII (Live data & diagnostics)	2 Haltech Dashes and expansion devices or OBDII (Live data & diagnostics)	2 Haltech Dashes and expansion devices & Supported OEM CAN or OBDII (Live data & diagnostics)	2 Haltech Dashes and expansion devices or OBDII (Live data & diagnostics)	2 Haltech Dashes and expansion devices & Supported OEM CAN or OBDII (Live data & diagnostics)	2 Haltech Dashes and expansion devices & Supported OEM CAN or OBDII (Live data & diagnostics)	2 Haltech Dashes and expansion devices & Supported OEM CAN or OBDII (Live data & diagnostics)	1 Haltech Dashes and expansion devices	1 Haltech Dashes and expansion devices
	Injection Stages	2 Rotary Engines Only	2 Rotary Engines Only	1 - 2	1 - 4	1 - 4 8 injector drivers support 2 sequential stages on 4 cylinders	1 - 4 8 injector drivers support 2 sequential stages on 4 cylinders	1 - 4 8 injector drivers support 2 sequential stages on 4 cylinders	1 - 4 16 injector drivers support 2 sequential stages on 6 & 8 cylinders and 4 sequential stages on 4 cylinders	1	1
	Anti-Lag/Rotational Idle	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗
	Rolling Anti-Lag	✗	✗	✓ Fixed or current, RPM or road speed	✓ Fixed or current, RPM or road speed	✓ Fixed or current, RPM or road speed	✓ Fixed or current, RPM or road speed	✓ Fixed or current, RPM or road speed	✓ Fixed or current, RPM or road speed	✗	✗
Launch Control	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	
Traction Control	✗	✗	✓ Front vs Rear or individual wheel speed	✓ Front vs Rear or individual wheel speed	✓ Front vs Rear or individual wheel speed	✓ Front vs Rear or individual wheel speed	✓ Front vs Rear or individual wheel speed	✓ Front vs Rear or individual wheel speed	✗	✗	
ADVANCED TUNING	Tuning Table Resolution	16 x 16	16 x 16	32 x 32	32 x 32 x 8	32 x 32	32 x 32 x 8	32 x 32 x 8	32 x 32 x 8	32 x 32	32 x 32
	4D Tuning Tables	✗	✗	✗	✓	✗	✓	✓	✓	✗	✗
	Per Cylinder Tuning Correction	3D	3D	3D	3D	3D	3D	3D	3D	3D	✗
	Wideband O2 (via external CAN expansion)	WBC1 or WBC2 Up to 2 Channels	WBC1 or WBC2 Up to 2 Channels	WBC1 or up to 4 WBC2 Up to 8 Channels	WBC1 + up to 4 WBC2 Up to 9 Channels	WBC1 or up to 4 WBC2 Up to 8 Channels	WBC1 + up to 4 WBC2 Up to 9 Channels	WBC1 + up to 4 WBC2 Up to 9 Channels	WBC1 + up to 4 WBC2 Up to 9 Channels	WBC1 or WBC2 Up to 2 Channels	WBC1 or WBC2 Up to 2 Channels
	K Type Thermocouples (Exhaust Gas Temperature) (via external CAN expansion)	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels	Up to 2 TCA2 & Up to 2 TCA4 Up to 12 Channels
	Engine Protection	✗	✗	Advanced Single Level	Advanced Multi-level	Advanced Single Level	Advanced Multi-level	Advanced Multi-level	Advanced Multi-level	Basic Single Level	Basic Single Level
RACE FUNCTIONS	Nitrous Control	✗	1 Wet or Dry 3D fuel and ignition corrections. On/Off delays.	1 Wet or Dry 3D fuel and ignition corrections. On/Off delays. Progressive control.	Up to 6 Stages Wet or Dry 3D fuel and ignition corrections per stage. On/Off delays. Up to 2 stages of progressive control. Banked control option.	1 Wet or Dry 3D fuel and ignition corrections. On/Off delays. Progressive control.	Up to 6 Stages Wet or Dry 3D fuel and ignition corrections per stage. On/Off delays. Up to 2 stages of progressive control. Banked control option.	Up to 6 Stages Wet or Dry 3D fuel and ignition corrections per stage. On/Off delays. Up to 2 stages of progressive control. Banked control option.	1 Fuel and ignition corrections	1 Fuel and ignition corrections	
	Boost Control	3D Open loop & user definable axis eg boost by gear, road speed etc. 6 fully user definable corrections.	3D Open loop & user definable axis eg boost by gear, road speed etc. 6 fully user definable corrections.	3D Closed loop learning & user definable axis eg boost by gear, road speed etc. 6 fully user definable corrections.	4D Closed loop learning & user definable axis eg boost by gear, road speed etc. 6 fully user definable corrections. Sequential turbo control.	3D Closed loop learning & user definable axis eg boost by gear, road speed etc. 6 fully user definable corrections.	4D Closed loop learning & user definable axis eg boost by gear, road speed, race timer, shock travel, ride height etc. 6 fully user definable corrections. Sequential turbo control.	4D Closed loop learning & user definable axis eg boost by gear, road speed, race timer, shock travel, ride height etc. 6 fully user definable corrections. Sequential turbo control.	4D Closed loop learning & user definable axis eg boost by gear, road speed, race timer, shock travel, ride height etc. 6 fully user definable corrections. Sequential turbo control.	3D Closed loop & User definable axis eg Boost by gear, road speed etc. 6 fully user definable corrections.	2D Closed loop eg boost by gear, road speed, etc.
	CO2 Boost, Wastegate Pressure & Position	✗	✗	✗	✓	✗	✓	✓	✓	✗	✗
	Intake Air Bleed Control (Charge pipe wastegate)	✗	✗	✗	✓	✗	✓	✓	✓	✗	✗
	Flat Shift	✗	✗	Basic	Advanced Strain gauge and position sensor (closed loop) for sequential transmissions	Basic	Advanced Strain gauge and position sensor (closed loop) for sequential transmissions	Advanced Strain gauge and position sensor (closed loop) for sequential transmissions	Advanced Strain gauge and position sensor (closed loop) for sequential transmissions	Basic	Basic
	Shock Travel and Ride Height	✗	✗	✗	✓ Logging and realtime user definable correction	✗	✓ Logging and realtime user definable correction	✓ Logging and realtime user definable correction	✓ Logging and realtime user definable correction	✗	✗
	Timer Functions	✗	✗	1 User Definable	Race Timer + 5 User Definable	1 User Definable	Race Timer + 5 User Definable	Race Timer + 5 User Definable	Race Timer + 5 User Definable	✗	✗
	Trans Brake (Bump & Creep)	✗	✗	✗	✓	✗	✓	✓	✓	✗	✗
	Advanced Torque Management (ATM)	✗	✗	✗	✗ (Upgrade Available)	✗	✗ (Upgrade Available)	✓ Driveshaft RPM Target	✓ Driveshaft RPM Target	✗	✗