



CORE ECU Specifications

	HP Tuners	Holley	Haltech	Link	MoTec	ECU Masters	FuelTech	Emtron
	CORE ECU	Dominator	Elite 2500 and Elite 2500 T	G4X - Xtreme	M150	EMU Pro 16	FT-600	KV-8
Outputs								
Low-Side Injector Control	16	12	up to 8	8	6	16	12	8
Ignition	8	12	up to 8	8	12	Up to 12	16 (8+8)	8
User Configurable (Auxillary)	2 - PWM (TTL) - can also be used as Lowside	-	11	10	-	-	32	-
Digital Outputs	4	Part of PWM Outputs below	-	-	-	-	-	-
Low-Side Output	12	16	-	-	0	16	-	8 (low or high)
High-Side Output	4 - 5A	20	-	-	-	-	-	
Half-Bridge Output	4	-	-	-	10	8	-	8
Inputs								
User Defined	4 - 0-5 volt PWM - Digital Inputs	13 - Multi-use inputs - 0-5, 0-20 or Temp	-	-	-	-	22	-
Digital Inputs	1- DHE/VR Crank, 4- DHE/VR Cam, 4 - DHE/VR Speed Inputs	4 - Speed Inputs	4 + 6 dedicated	8/10*	12	10	-	14 + 2 - Crank/Cam
Analog Inputs	12 - 12 bit 0-5 volt (can also be used as digital)	20 - 0-5v	10	11	17	20 - 12 bit / 8 - 16 bit	-	16
Temperature Inputs	6 - 12 bit NTC Temperature Inputs	Part of Multi-use	-	4	6	Part of analog inputs	-	6
Features								
Waterproof	IP66	Not Listed	IP67	IP65	IP67	IP65	IP67	Not Listed
Trigger Scope	Yes	No	Yes	Yes	Yes	Yes	No	Yes
CAN Channels	3	2	1	2	3	2	2	2
PC Connection	Ethernet	USB	USB	USB	Ethernet	USB	USB	Ethernet
Configurable CAN	Yes	Limited	No	Yes	Yes	Yes	Limited	Yes
Logging Parameters	Initially up to 150 at 1khz	-	40	250	-	-	256	1200
Logging Memory	2 GB	4 GB	-	512 MB	256 MB	-	-	32 MB
Logging Frequency	VCM Live -100hz, Onboard - 1,000hz	100hz	200hz	1000hz	Up to 2000hz	up to 500hz	200hz	500hz
Laptop Data Logging	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
On-Board Data Logging	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
On-Board Wideband	2 - LSU 4.9	2 - Bosch or NTK	No	0	2 - Narrowband Only	2 - LSU 4.9	No	2
Ethernet Comms	Yes	No	No	No	Yes	No	No	Yes
Strategy Functions								
Nitrous Control	Single Stage Nitrous Control	8 Stages Nitrous	up to 6 stages	No	Yes	Yes	Yes	-
Boost Control	Yes	-	up to 4D	Yes	Yes	Yes	Yes	-
Transmission Control	GM 4L60e and 4L80e	Yes - GM 4L60e and 4L80e	-	-	-	-	-	-
Drive By Wire	Dual	Dual	Single	Yes	Yes	Dual	-	-
Secondary Fuel Injections	Yes	Yes	-	-	Yes	-	Yes	-
Flex Fuel Input	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Closed loop o2 control	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Knock Control	Dual	Dual	Dual	Dual	4	2	-	2
Variable Cam Control	up to 4	up to 4	up to 4	up to 4	up to 4	up to 4	-	-
Engine Protection	Multi-level	Multi-level	Multi-level	Multi-level	Multi-level	Multi-level	Multi-level	Multi-level
Map Switching	Yes - 4 Maps	4 Selectable Tunes	Yes	Yes	Yes	-	No	Yes
Launch Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Traction Control	Yes	Yes - Some Features require additional module	Yes	Yes	Yes	Yes	Yes	Yes