ECU/EMS

Features	Subaru OEM	Hydra Nemesis EMS v2.6	Autromic SMC	Link G4	AEM	Wolf 3D V500	Power PFC
CPU	16/32 bit	Dual 16bit 25MHz Processors	16bit by 20Mhz	40MHz	16bit 32MHz	32bit 40MHz	??
Safety Features		Fuel trim lower limit, Ignition Upper & Lower Limits, Fuel Enrichment per Knock values, 32x32 Backup spark map - excessive knock ativation, Traction control respected 32x32 Fuel & Ignition maps, Fuel, Ig nition, boost Temperature compensation	Fuel enrichment to knocking, Traction control, Fuel, Ig nition, boost Temperature compensation, Maybe others, but not fully noted on their website	Not noted on their website. No feature listing on their site for buyers	I expect all the controlling features as any good EMS. No feature listing on their site for buyers	I expect all the controlling features as any good EMS. No feature listing on their site	No feature listing on their site for buyers
Fuel Map Zones	18x16	32x32	32x16	20x22	21x17	128x16	20x20
Ignition Map Zones	18x16	32x32	32x16	20x22	21x17	128x16	20x20
Auxillary Inputs	10	14					
Auxillary Outputs	NA	10					
AVCS/VVT	Mature	Mature, Close Loop operation	Mature	Newly added	Mature on some models	Mature	Basic
RPM Limit	12500+/40000+ Depends on how accurate the timing mechanisms are, including the sensor	39000+	30000	20000	Not listed, but expect it to be 15000+	25000+	Not listed, but expect it to be 10000+
Injectors	6	8	8	4	10	8	4. No listing for how many more
Ignition outputs	6	8	4. Most probably listed for more	4	4. Most probably listed for more	8	4. No listing for how many more
AutoTune	Yes	Yes, with Short & Long term trims	yes	If it does, not matured	Yes	Yes	No
Use of Car sensors	ALL	All except stated like the MAP sensor	All except stated like the MAP sensor	All except stated like the MAP sensor	All except stated like the MAP sensor	All except stated like the MAP sensor	All except stated like the MAP sensor
Data Logging	To Computer, Slow	Limited onboard storage for logging, 125+ variables to be log to a PC, Up to 16 variables can be log at anyone one time, Data can be exported to .csv or raw log	Onboard/PC, The site is current down to revaluate updates to this product	Onboard/PC, The site is current down to revaluate updates to this product	512k buffer onboard. PC	PC logging 60HZ, down to 0.1Hz	Onboard/PC
Display	No	No, but with external dashes	No, but with external dashes	No, but with external dashes	No, but with external dashes	Yes. Also with external dashes	No
MAP Sensor	1.5BAR	4BAR Internal 5BAR External (optional)	3 or 5 BAR	2.5BAR, upgradeable to 5BAR	3BAR	3BAR	2.5BAR most probably
Antilag Zones	NA	Meet Group N specification Complex operation: 32x32 maps for Fuel, Ignition, throttle maps dedication	Site down for listing. Not sure how complex it is. Would like to figure so since autronic has been around for a long time	Basic. Group N + A support	Listed	No dedicated, but seems switcheable from design maps	
Flat Shift	Flash in	32x32 dedicated Fuel & Ignition maps	Site down for listing. Not sure how complex it is. Would like to figure so since autronic has been around for a long time	Basic	Listed	No dedicated, but seems switcheable from design maps	Basic
Launch Control	Flash In	32x32 dedicated Fuel & Ignition maps	Site down for listing. Not sure how complex it is. Would like to figure so since autronic has been around for a long time	Basic	Listed	No dedicated, but seems switcheable from design maps	Basic
Management Interface	Good	Good	Good	Good	Good	Very good	good
Check Engine Light Control	yes	yes	yes	yes	yes	yes	yes
Mapping per Cylinder	Yes	Fuel & ignition trims	Fuel & ignition trims	Fuel & ignition trims	Fuel & ignition trims	Fuel & ignition trims	??
Drive by Wire	Yes	Yes	Yes	Yes	Yes	??	??
Closes Rival	NA	Autronic, WolF 3d, AEM	Hydra, Wolf 3D, AEM	Power PFC	Autronic, Wolf 3D, Hydra	Hydra, Autronic, Wolf 3D	Ling G3
Get up and running quick	NA	Loaded with Road tuned maps from factory for the user to get going. These maps are fully driveable	Just enough to get started	Just enough to get started	Just enough to get started	Just enough to get started	Just enough to get started
Cost	1600+	1600+	1700+	1700+	1700+	1700+	700+