

Electronic Control and Data Units

Application Note

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The reference table below details the compatibility of the main MES electronic units with our main expansion units. I/O information including details of interfaces with sensors and lap triggers can be found within the individual product summaries.

Please contact our Technical Consultancy department for details about compatibility with other MES units and third-party units.

PCU-400

Comms Support		Expansion Unit Support	
Function	Link	Function	Link
System Monitor	Ethernet	SIU-400 via config CAN	CAN
ATLAS	Ethernet	SIU-300 via config CAN	CAN
		SCU-300 via config CAN	CAN
		SN-32 via config CAN	CAN
		LIU-4 via config CAN	CAN
		PIN-3 via config CAN	CAN
		PIN-16 via config CAN	CAN
		TIU-32C via config CAN	CAN
		TPR via config CAN	CAN

EDR-400

Comms Support		Expansion Unit Support	
Function	Link	Function	Link
System Monitor	Ethernet	SIU-400	CAN
ATLAS	Ethernet	SIU-300 via config CAN	CAN
CBT-610	RS232	SCU-300 via config CAN/ APP for LEDs	CAN
		SN-32 via config CAN	CAN
		LIU-4	CAN
		PIN-3 via config CAN	CAN
		PIN-16 via config CAN	CAN
		Two TIU-32Cs	CAN
		TPR via config CAN	CAN
		PCU-400 via config CAN	CAN
		PCU-6D can be supported through the customer application PCU	PCU
		DataTAG	CAN

TAG-400

Comms Support		Expansion Unit Support	
Function	Link	Function	Link
System Monitor	Ethernet	SIU-400	CAN
ATLAS	Ethernet	SIU-300 via config CAN	CAN
CBT-610	RS232	SCU-300 via config CAN/ APP for LEDs	CAN
		SN-32 via config CAN	CAN
		LIU-4	CAN
		PIN-3 via config CAN	CAN
		PIN-16 via config CAN	CAN
		Two TIU-32Cs	CAN
		TPR via config CAN	CAN
		PCU-400 via config CAN	CAN
		PCU-6D	PCU
		DataTAG	CAN

HSL-500

Comms Support		Expansion Unit Support	
Function	Link	Function	Link
System Monitor	Ethernet	SIU-400	CAN
ATLAS	Ethernet	SIU-300	CAN
CBT-610	Arcnet	SCU-300 via config CAN/ APP for LEDs	CAN
		SN-32 via config CAN	CAN
		LIU-4	CAN
		PIN-3	CAN
		PIN-16	CAN
		TIU-32C	CAN
		TPR	CAN
		PCU-400	CAN

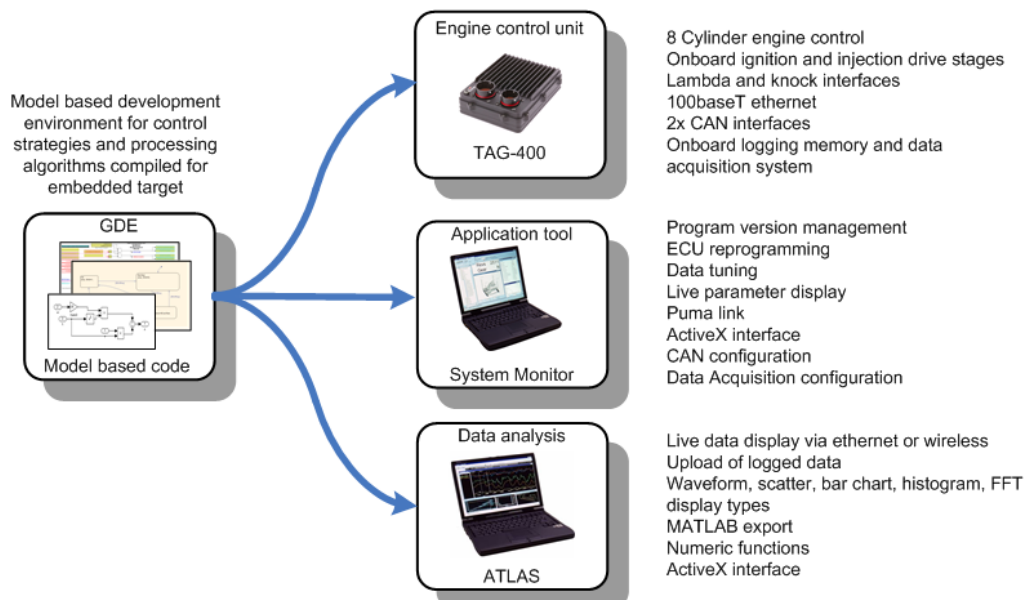
TAG-310B

Comms Support		Expansion Unit Support	
Function	Link	Function	Link
System Monitor	Ethernet	SIU-400	CAN
ATLAS	Ethernet	SIU-300	CAN
CBT-610	HDLC	SCU-300 via config CAN/ APP for LEDs	CAN

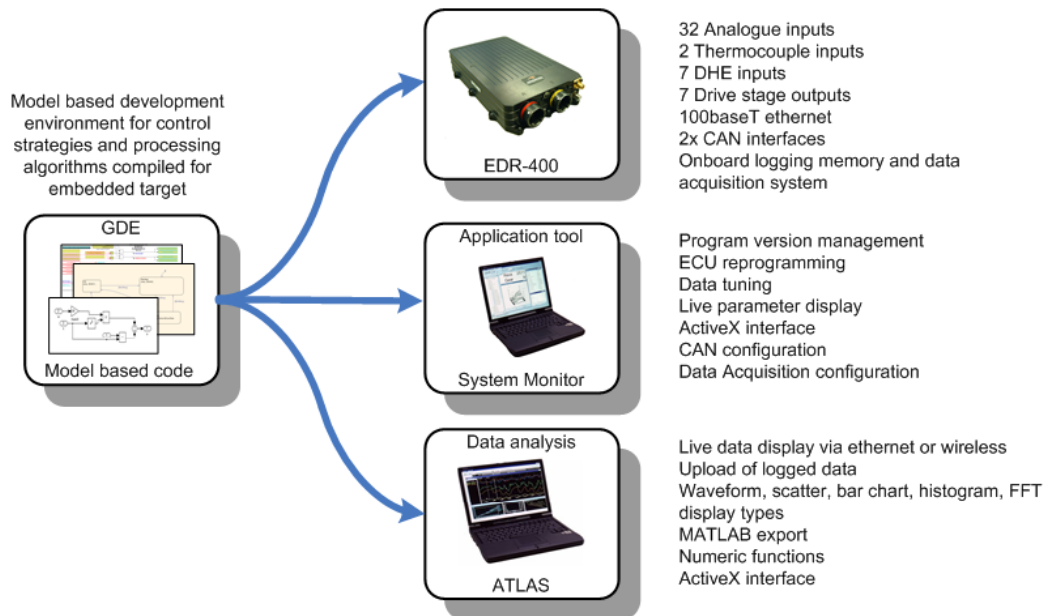
Comms Support		Expansion Unit Support	
Function	Link	Function	Link
		SN-32 via config CAN CAN	CAN
		LIU-4	CAN
		PIN-3	CAN
		PIN-16	CAN
		TIU-32C	CAN
		TPR	CAN
		PCU-400	CAN
		PCU-6D	PCU
		HIU-3	CAN/HSD
		SN-32	SBUS
		SN-32LT	SBUS
		PB2006	CAN/DIG
		IGN-310	CAN/DIG
		INJ-310	CAN/DIG
		ICU-308	CAN/TRIGGER

Example system configurations for data-logging, control and telemetry are shown below. These diagrams give examples of how the different units can work together, but these are not fixed solutions, so please do not hesitate to contact us if you would like to discuss your requirements with us.

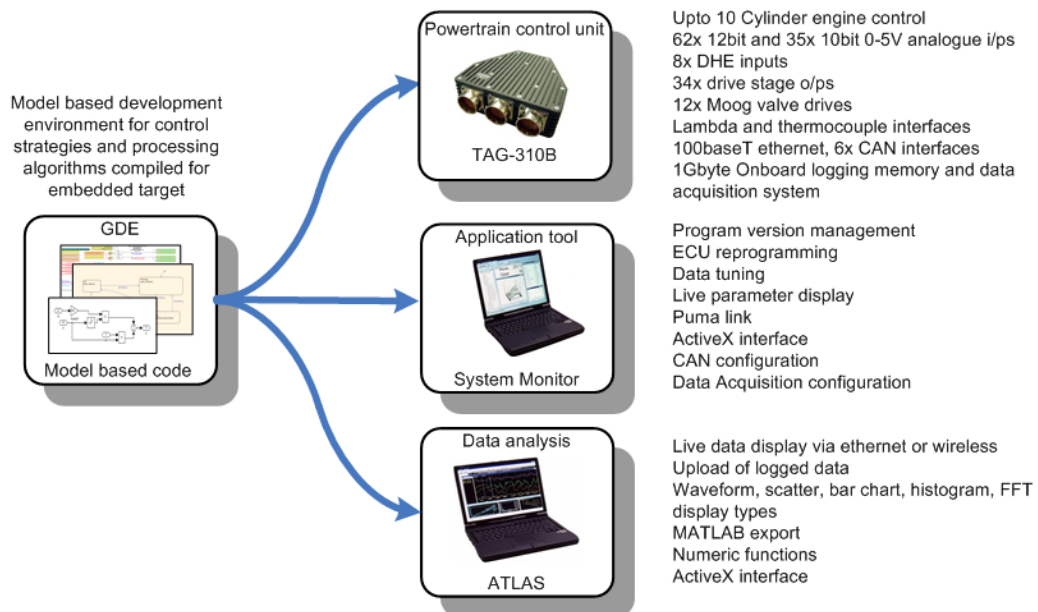
TAG-400 development system



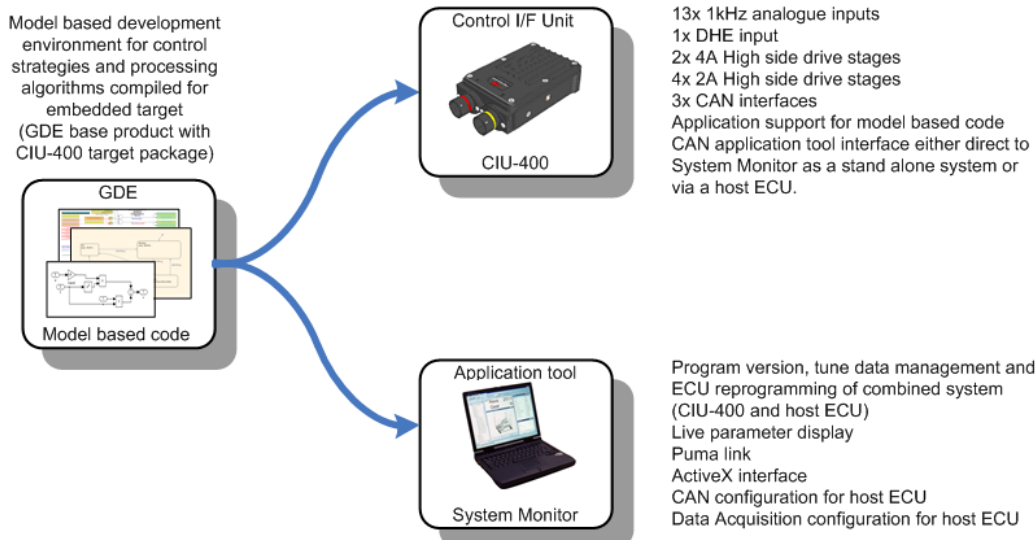
EDR-400 development system



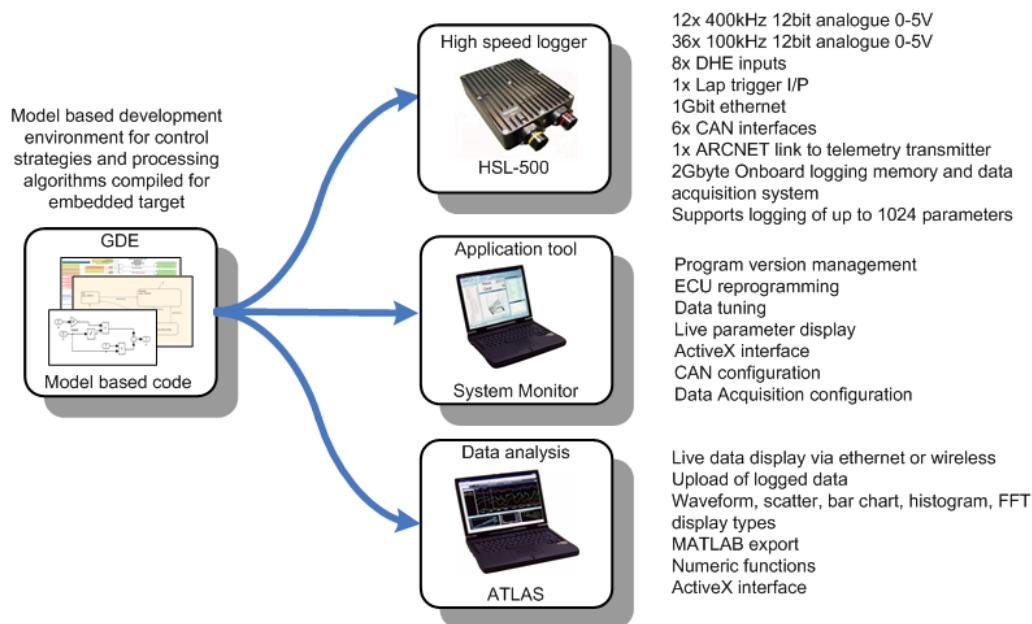
TAG-310B development system



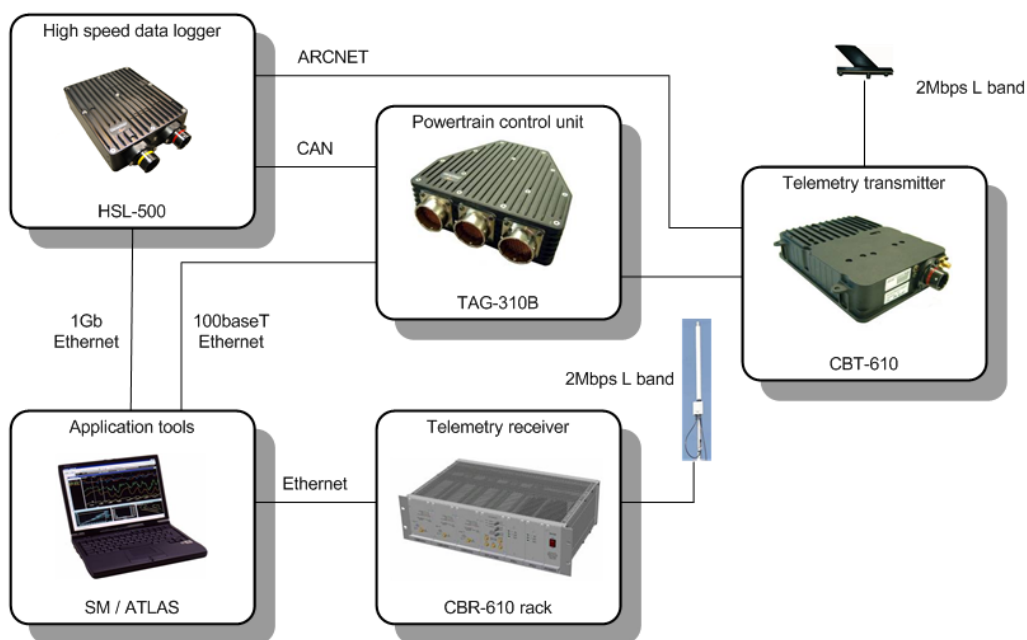
CIU-400 development system



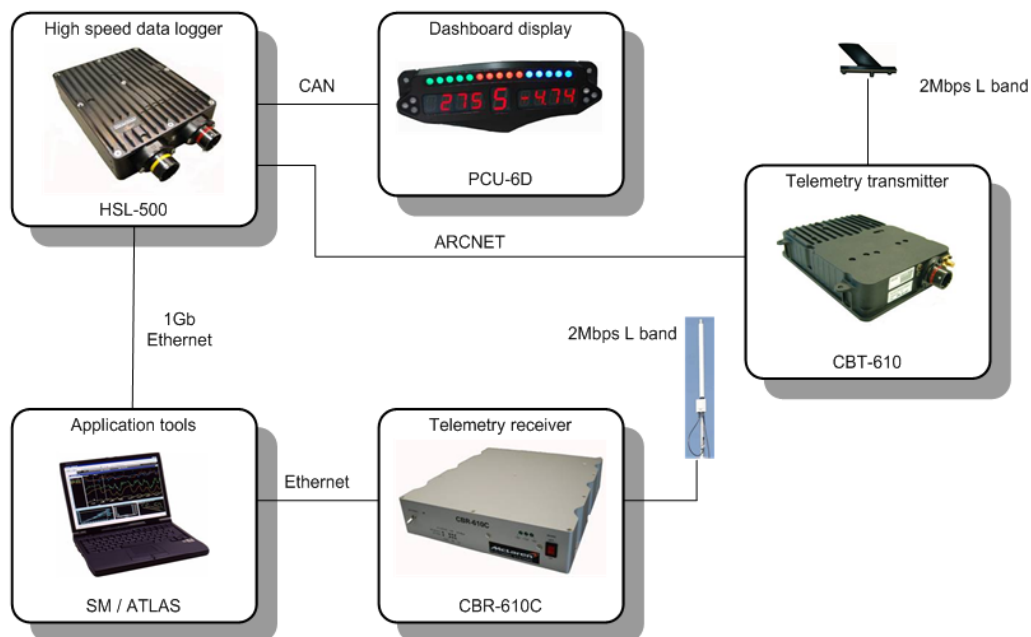
HSL-500 development system



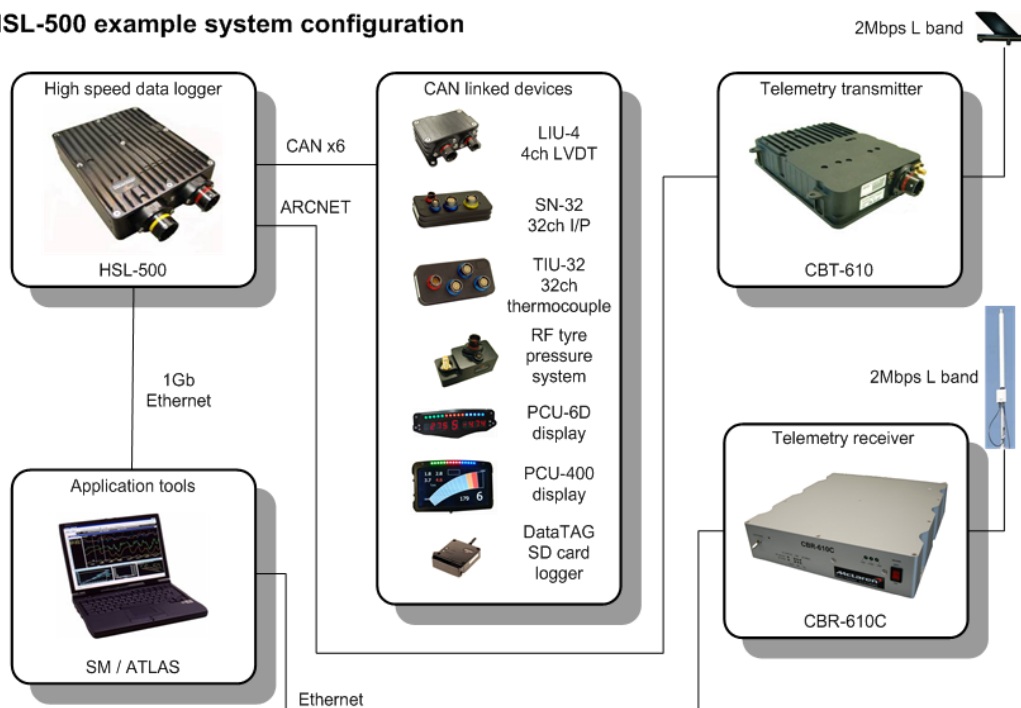
HSL-500 example system configuration



HSL-500 example system configuration



HSL-500 example system configuration



CBX-610 L-band telemetry with UHF modem handshake option

