



MATLAB
Enabled



OpenECU M220

Multi-Purpose Controller

Capabilities

- Fuel injectors and smart coils
- Current and voltage monitors on many output channels
- Thermal trip monitors on certain channels
- H-Bridge and high current actuator control
- Configurable analog and digital I/O
- High speed CAN channels

Benefits

- Designed to allow for circuit customization to meet specific needs
- Same proven hardware can be used for prototypes and production
- Simulink® or C API are available to develop your application
- Cost effective support for fleet trials of new systems

Applications

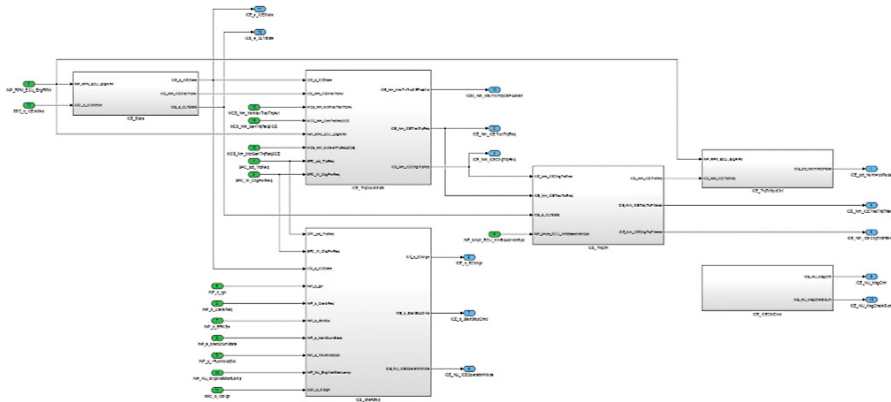
- Alternative fuel system control (e.g. CNG/LPG/LNG)
- Low cylinder count engines (up to 4)
- Hybrid supervisory control
- Diesel pump control
- Suitable for OBD compliant systems

Specifications

MICROPROCESSOR		COMPATIBILITY	
Processor	Freescale MPC5534	Vibration	6g random RMS
Clock Rate	80Mhz	PHYSICAL	
Code Space	up to 768KB	Dimensions (mm)	155 x 115 x 46
RAM Space	832KB	Weight	520g
Calibration Space	256KB	Connector	46 pin
POWER		Enclosure	Aluminum
Supply Voltage	7V to 32V	Location	Chassis mount
Standby Current	0.25mA @ 12V	Operating Temperature	-40°C to 105°C
Sensor Supply	1 x 5V / 250mA	Environmental Protection	IP67
COMMUNICATION		OUTPUTS	
High Speed CAN 2.0	2x	H-Bridge	1 (2 pins) - 5A
INPUTS		High Side Switch	1 x 15A
Analog	12	PWM Low Side	2 x 100mA
Differential VRS	1 x (2 pins)	PWM Low Side	2 x 250mA
Single Ended VRS	2	PWM Low Side	6 x 2A
Frequency	1	Low Side Injector	1 x 15A / 5A (software configurable)
Digital	4		
FEPS	1		

Application Control Strategies Available in Simulink for Development

- Torque and Speed Based Engine Control Strategies
- Hybrid and Electric Vehicle Supervisory Control Strategies



ATI ACCURATE TECHNOLOGIES

sales@accuratetechnologies.com
www.accuratetechnologies.com

OPEN ECU
By Pi Innovo

Pi Innovo