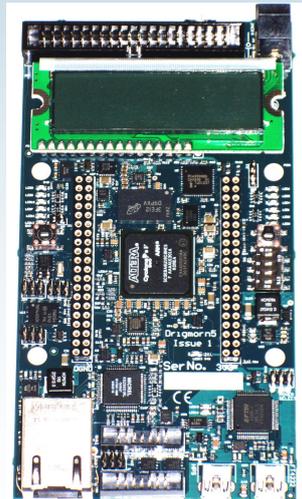




Altera® SOC SOLUTIONS



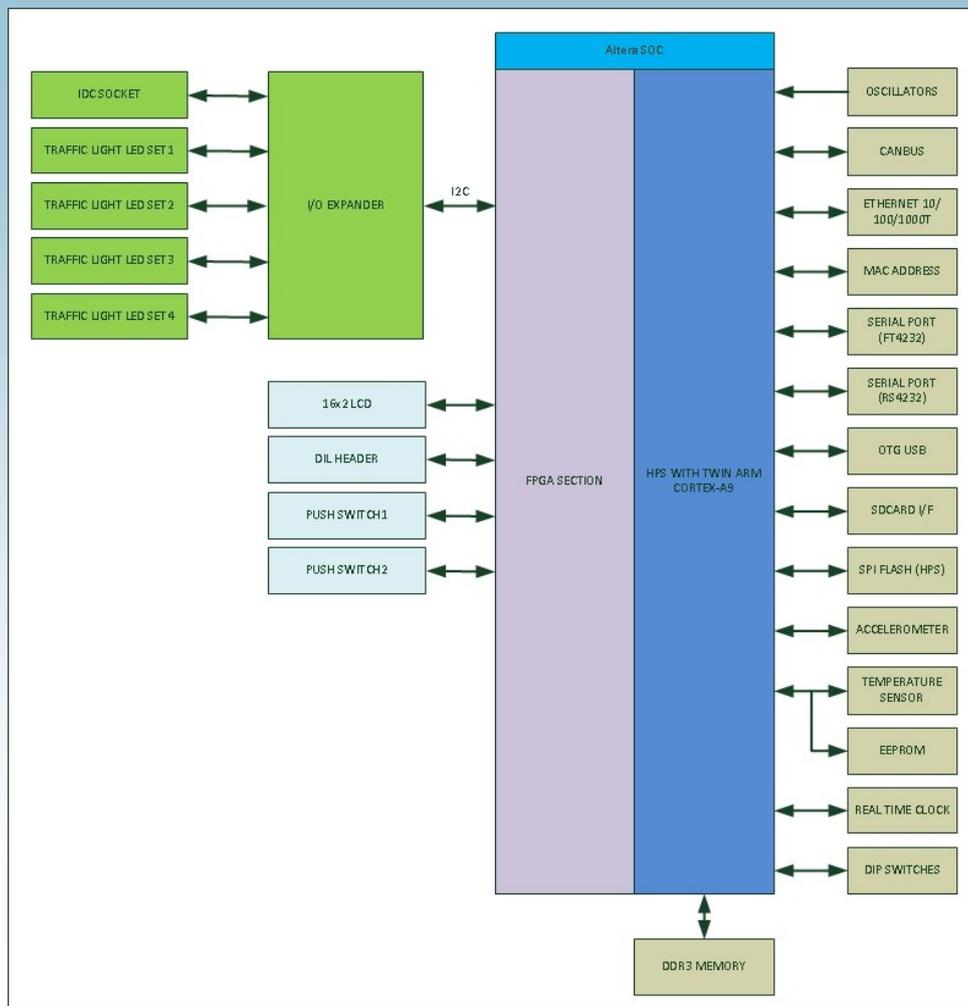
Drigmorn5

Small Form Factor Board Format	16x2 LCD Display
Altera® SOC with twin ARM® Cortex™-A9	1 x Temperature Sensor
Linux™ and Android™ (In progress) operating system support	1 x Accelerometer
HPS boot from SPI Flash or SDCard	1 x EEprom for parameter storage
1 x Real Time Clock with Battery Holder	1 x DIL Header for add-on modules with 3.3V available for module power.
Headers for remote Reset Switches	IDC I/O Header for remote control panel
110K LE of Programmable Logic	2 x Push Switches
512 MByte DDR3	4 DIP Switches
2 x SPI Flash	4 sets of Traffic Light LEDs
1 x 10/10/1000 Ethernet	1 x MMC/SD® Card Socket
1 x H/W MAC Address	1 x CANBus™ (May need license)
1 x OTG USB I/F	Single 4-5.5V power input taken from 2.1MM Jack or USB Connector
1 x FT4232 USB I/F supporting 2 COM ports (HPS UARTs) and JTAG functions	

Drigmorn5 is aimed at local control applications either in standalone operation or slaved to a hosting device via its FT4232 USB interface. The marriage of the powerful dual core ARM® Cortex™-A9 processor, a user programmable FPGA fabric and Linux™ or Android™ operating systems make the Drigmorn5 a very cost effective, high performance, low power, computing platform.

The small 72mm x 135mm (2.8" x 5.3") size of the Drigmorn5 allows it to fit into those often small corners of your system enclosure. The single 5V input has enough compliance range to allow stable operation from a small stack of standard batteries for remote location applications.

Operating as a slave device Drigmorn5 can offer high accuracy control not possible in a more generic processing system. With the addition of our optional battery backup module, and battery, it is also possible to maintain the control function when mains electricity fails or is not available e.g. solar powered.



Drigmorn5 Block Diagram

DIL Header Expansion

Enterpoint's DIL Module range offers a number of interface expansion options. Depending on the sizes of modules fitted one or more modules can be fitted in the Drigmorn5 DIL Header. A wide range of module functions are available including ADC, DAC, RS232, RS485, Opto-Isolated I/O, Touchscreen LCD and camera module.



OEM and Customised Options

As with all Enterpoint products the Drigmorn5 design can either be offered in a custom BOM configuration or even a fully customised derivative product to suit individual customer needs. We can offer customised options for customers with very low annual volumes from 10 units+. We can also supply large volumes if required.

We can also offer an ultra-fast turn design and manufacture service for custom DIL Header modules.

If any of these custom options are of interest please contact us on boardsales@enterpoint.co.uk.



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