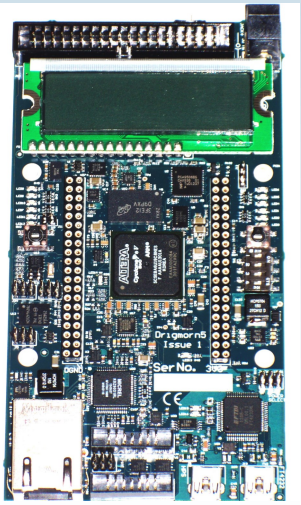
Enterpoint

Altera® SOC SOLUTIONS



Drigmorn5

Small Form Factor Board Format

Altera® SOC with twin ARM® Cortex™-A9

Linux™ and Android™ (In progress) operating system support

HPS boot from SPI Flash or SDcard

1 x Real Time Clock with Battery Holder

Headers for remote Reset Switches

110K LE of Programmable Logic

512 MByte DDR3

2 x SPI Flash

1 x 10/10/1000 Ethernet

1 x H/W MAC Address

1 x OTG USB I/F

1 x FT4232 USB I/F supporting 2 COM ports (HPS UARTs) and JTAG functions

16x2 LCD Display

1 x Temperature Sensor

1 x Accelerometer

1 x EEprom for parameter storage

1 x DIL Header for add-on modules with 3.3V available for module power.

IDC I/O Header for remote control panel

2 x Push Switches

4 DIP Switches

4 sets of Traffic Light LEDs

1 x MMC/SD® Card Socket

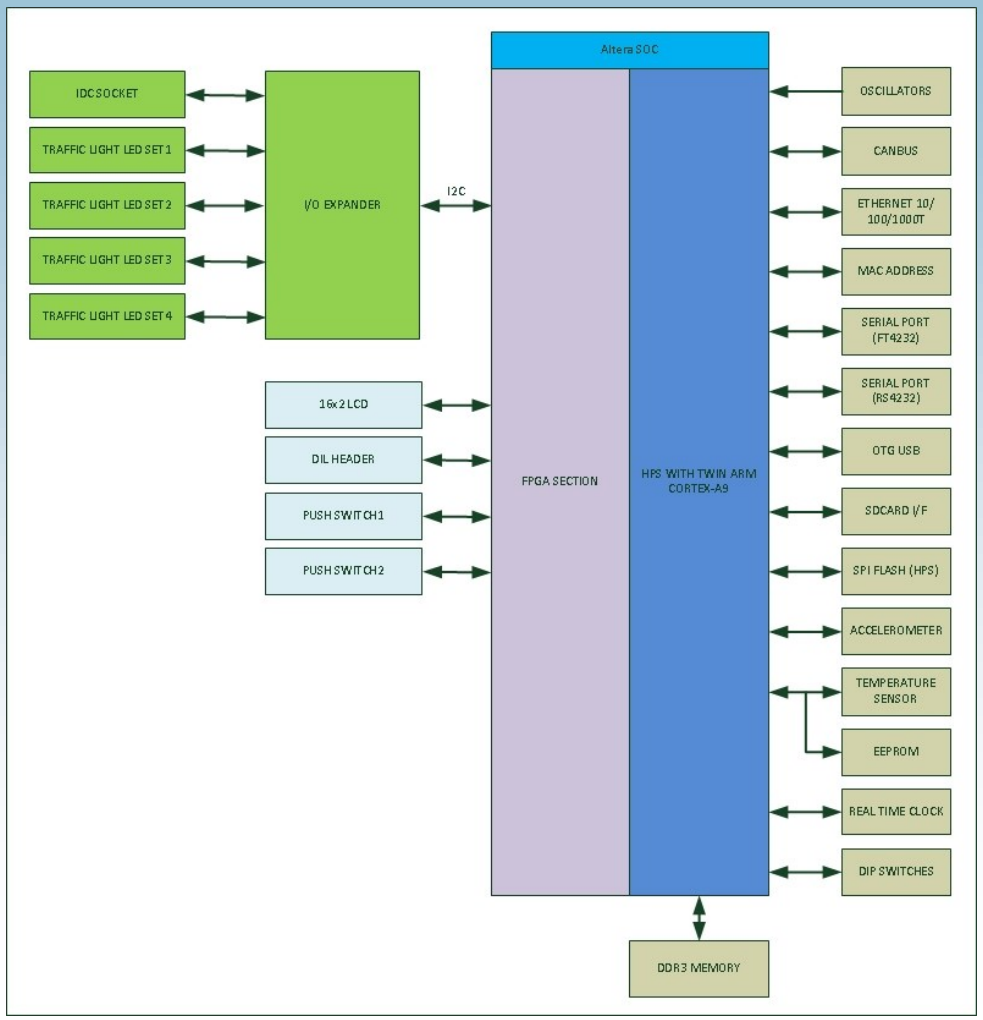
1 x CANBus™ (May need license)

Single 4-5.5V power input taken from 2.1MM Jack or USB Connector

Drigmorn5 is aimed at local control applications either in standalone operation or slaved to a hosting device via it's 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.

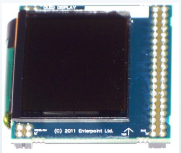
Operating as a slave device Drigmorn5 can offer high accuracy control not possible in a more generic processing system. With the addition of our optional battery backup module, and battery, it is also possible to maintain the control function when mains electricity fails or is not available e.g. solar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

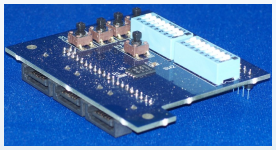


Drigmorn5 Block Diagram

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.

Altera Design Services Network ®

Enterpoint Ltd.
Unit1, Howsell Road Industrial Estate, Malvern, UK
Tel- +44 (0) 121 288 3945
Email- boardsales@enterpoint.co.uk
Web:- www.enterpoint.co.uk

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Programmable Logic IC Development Tools ***category:***

Click to view products by Enterpoint ***manufacturer:***

Other Similar products are found below :

HLDC-DDR3-A DK-DEV-5SGXEA7N EK-10M50F484 EPXA4F672C2 EPXA4F672C3 EPXA4F672C1 K0161 LCMXO256C-S-EVN 12GSDIFMCCD SFP+X4FMCCD 88980182 P0582 HW-PWAC-2600317 DEV-17514 LCMXO3D-9400HC-B-EVN P0671 DK-K7-CONN-G P0467 LCMXO2-1200ZE-P1-EVN LCMXO2-4000HE-DSIB-EVN DK-DEV-4SGX530N LCMXO3L-SMA-EVN P006-006-2 EK-U1-VCU108-G A2F500-DEV-KIT-2 LCMXO3LF-9400C-ASC-B-EVN 471-014 EVAL-TPG-ZYNQ3 SL001 80-001005 P0466-EDU EK-10CL025U256 P0496 P0493 DK-SOC-10AS066S-A DK-DEV-10CX220-A 80-001002 iCE40UP5K-MDP-EVN RXCA10S066PF34-IDK00A ALTHYDRAC5GX ALTNITROC5GX ALTBERYLLC5GX 471-015 LFE3-17EA-USB3-EVN 1553 4332 Hinj HinjKit SNOMAKRKIT SnoMakrR10