



## Eointec Solution IgnitionPro Davinci Evaluation kit for Fast Prototype Module



### General:

Eointec Solutions IgnitionPro is a fast prototype and development board that is an ideal and cost effective way for OEMs to develop software on a hardware platform that can be used in their final product. Full schematics and gerbers are provided so that you can redesign the motherboard to fit your application and enclosure, this is an extremely effective way of getting your product out to the market quickly. The unit comes with a Board Support Package (BSP), application notes and example applications to get you up and running quickly.

### Shipping details:

#### HARDWARE:

#### Module:

Dimension:  
Size 123mm x 72mm approx

<b>Processor:</b>	TMS320DM6446 ARM9+DSP
<b>Core Clock:</b>	ARM-297Mhz DSP 594Mhz
<b>Flash Memory:</b>	Nand Flash 256MBit
<b>DDR2 Memory:</b>	32M x 32
<b>Microcontroller:</b>	TI-MSP430
<b>EEPROM:</b>	256K
<b>CPLD:</b>	Altera- EPM240GT100

#### Mother board:

Dimension:  
Size 236mm X 105mm approx.

Full motherboard schematics and gerber files supplied.

<b>PERIPHERALS:</b>	Composite Video in Composite/Component Video out Stereo Audio in/out USB 2.0 Infra-Red Serial Port Ethernet Hard drive Compact Flash
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#### SOFTWARE + DOCUMENTATION:

#### SOFTWARE:

- Open source Linux 2.6 Board Support Package (BSP) includes
  - USB Host
  - USB mass storage
  - Ethernet
  - Compact Flash
  - ATA
  - Nand Support
  - Video for Linux
  - Audio Stereo (AIC33)
- Open Source U-boot
- NTSC,PAL,D1,CIF video support
- Example Video/Audio DVR and Web server application
- Evaluation H.264 encode DSP server

#### DEBUG:

- Ethernet
- RS232
- JTAG

#### APPLICATION NOTES:

- Getting Started
- Setting up a design environment using NFS and Eclipse IDE
- DSP Debugging and Arm side debugging using GDB server
- Configuring the Linux Kernel
- Programming the nand flash
- Applying patches to Montavista Linux OS

#### COMPATIBILITY:

- TI's Davinci DVSDK
- Patches available for Montavista Linux OS
- CCS 3.2, 3.3