

## Microsoft Windows Embedded CE 6.0 R3 Board Support Package (BSP) for the Texas Instruments OMAP 3530 Beagleboard

### Binary image now available for free evaluation.

- Provides pre-configured binary images for SD/MMC Card and NAND boot configurations and demonstrates decoding of video sources using video codec acceleration with Microsoft's Media Player
- The binary evaluation image includes an <u>SDK</u>. This can be installed to allow application development against the target platform using Visual Studio.
- Visit the MPC Data Support Portal and register for free download.

#### Full source code available for custom designs

- Subject to source license agreement and fee (one license per design, royalty free)
- A low-cost (\$500) commercial licence including 5 incidents / 30 calendar days technical support
- Free BSP updates are available for existing customers
- Visit the MPC Data Support Portal and register to make your purchase.

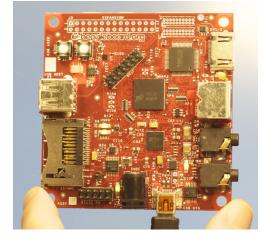
For further details contact windows@mpcdata.com



### **Board Support Package**

MPC Data is pleased to offer a complete Windows Embedded CE 6.0 R3 Board Support Package (BSP) for the low cost OMAP3530 based Beagleboard, including a full range of

quality drivers to enable a rapid start-up for your Beagleboard based product.



## Hardware Accelerated Video Support Using Codec Engine Framework

To complement the leading-edge ARM Cortex A8 processor core, the TI Codec Engine framework within the BSP utilises the additional C64x+ DSP core and TI's binary codec algorithms to accelerate video media encode and decode. The Codec Engine framework provides the standard VISA (Video Imaging Speech Audio) API for user applications. The BSP includes H.264, MPEG4 and MPEG2 codecs in binary form\*.

\*A production codec licence agreement must be sought from Texas Instruments for commercial use.

#### **Customisations**

MPC Data are specialist system integrators and experts in software development for Windows Embedded CE powered products. Our team can give expert advice from embedded application development through to hardware design and product realisation.



The BSP now supports easy integration with the <u>Reliance</u> high reliability filesystem and <u>FlashFX</u> flash management products from <u>Datalight</u> Inc.

# MPC Data Windows CE 6.0~R3 Board support package features out of the box:

Drivers	Supported			
Audio In	No	Kernel	Supported	
Audio Out	Yes	Features	V	
LCD HDMI	Yes	USB KITL	Yes	
LCD S-Video	No	Debug UART	Yes	
USB EHCI	Yes	Watchdog	No	
USB OTG Function	Yes			
USB OTG Host	Yes	MLO for SD Memory MLO for NAND Memory EBOOT for SD Memory EBOOT for NAND Memory USB RNDIS Splash Screen Debug UART		Supported
Micron NAND	Yes			Yes
Power Management	No			Yes
LED	No			Yes
SDIO	Yes			Yes
GPIO	Yes			Yes
DMA	Yes			Yes
McBSP	Yes			Yes
McSPI	No			







