

Windows Embedded CE Board Support Packages

Your single resource for Texas Instruments OMAP3 EVM Projects

HIGHLIGHTS

- Best-in-class Windows Embedded CE BSP for the TI OMAP3 EVM
- Microsoft Certified BSP
- Peripheral Drivers/Devices
- OpenGL ES2.0 and OpenVG framework
- OMAP3530 power management framework for increased power savings
- TI's Codec Engine DSP framework



OVERVIEW

Texas Instruments selected Bsquare to create a best-in-class, Microsoft Certified Board Support Package (BSP) for the TI OMAP3 EVM – now available for broad market OEMs developing devices like:

- Portable Media Players (PMP)
- Portable Navigation Devices (PND)
- Patient Monitoring
- Smart Home Media Controllers
- Portable consumer entertainment devices
- Mobile Internet Devices (MID)

With Bsquare's BSP and other products and services for the TI's OMAP35x processor family, broad-market OEMs can now redefine the standards for advanced user interfaces, web browsing, productivity, enhanced graphics and the multimedia experience all while meeting rigorous low-power requirements.

WINDOWS EMBEDDED CE 6 BSP

Now available! Best-in-class Window Embedded CE BSP for the High-performance ARM® Cortex™-A8-based Application Processor featured in the TI OMAP3 EVM. Developed and tested by Bsquare for TI, the Microsoft Certified BSP supports advanced OMAP3 features including multimedia and 2D/3D graphics.

"Bsquare's experience with Windows Embedded CE on OMAP based development platforms helps customers develop high performance multimedia-rich devices easily and quickly."

Tom Kelly, Director of Software Partner Network, Texas Instruments

Features	Benefit
Windows Embedded CE 6 BSP written by Bsquare for TI – ships with TI OMAP3 EVM	Best-in-class, tested BSP: save time with known-good starting point
24/7 Online Technical Support and Custom Technical Support	Get support around the clock – accelerate time to market
Windows Embedded CE Tools and Training	Brings developers new to Windows Embedded CE up to speed quickly
Adobe Flash Lite 3.1 Support	Create a rich, differentiated UI that harnesses the graphics and multimedia power of OMAP3
QA Tools for the Windows Embedded CE BSP	Save 90% of time to create a QA Program for your system software
Professional Engineering Services	Save time by partnering with Bsquare for development or QA

MICROSOFT WINDOWS EMBEDDED CE TOOLS AND TRAINING

Microsoft® Platform Builder, fully integrated with Visual Studio® 2005, is available from Bsquare and required by developers to customize and extend the Windows Embedded CE BSP included with the TI OMAP3 EVM. Bsquare also offers standard and on-site training classes. With Bsquare training, developers moving to Windows Embedded CE from other 32-bit operating systems will quickly take advantage of TI OMAP3 multimedia and graphics capabilities.

TECHNICAL SUPPORT

Bsquare's development eco-system for Windows Embedded CE and TI OMAP3 EVM includes Bsquare's Technical Support Knowledge Base. Available 24/7, this online database contains Q&A on the most common challenges facing developers working with the TI OMAP3 EVM. Bsquare also offers technical support packages with dedicated consulting hours for focused design and development issues – accelerating time to market for device OEMs.

ADOBE FLASH LITE 3.1

To create a rich, differentiated user experience with Web browsing, unique User Interfaces, compelling video and high-end graphics, Bsquare recommends Adobe Flash Lite 3.1 for the TI's OMAP35x processor family. Also as an addition, Bsquare's new Flash UI Accelerator product quickly extends the graphics capabilities of Flash Lite 3.1 for OEMs who want to offer more fully-featured user interfaces.

DEVICE VALIDATION TESTSUITE™

Device Validation TestSuite reduces your BSP QA time by up to 90% when compared with starting a system software QA program from scratch. It includes over 300 Windows Embedded CE BSP tests. This toolset was used by the Bsquare team during development of the Windows Embedded CE 6 BSP for TI.

PROFESSIONAL ENGINEERING SERVICES

TI selected Bsquare's Professional Engineering Services team, Winner of the 2008 Microsoft Excellence Award, to develop and test the Windows Embedded CE 6 BSP for the TI OMAP3 EVM. Recognized globally as the industry expert in Windows Embedded CE development and testing, Bsquare has delivered over 300 successful Windows Embedded CE and Windows Mobile engagements to Windows Embedded OEMs since 1994.

SDIO HX HIGH-PERFORMANCE SOFTWARE

Bsquare's SDIO Hx high-performance software stack supports 802.11g Wi-Fi throughput rates to 15 Mbps. SDIO Hx is a must for OEMs featuring GPS, streaming media, VoIP, and other applications that require high throughput rates over SDIO-based Wi-Fi. Differentiate your device with high-speed data transfer.

3G WIRELESS DEVKIT

Bsquare's 3G Wireless DevKit for the TI OMAP3 EVM offers pre-integrated, pre-tested Windows Embedded CE 6 Radio Interface Layer (RIL) software and drivers for Sierra Wireless CMDA radio modules. Performance-optimized, Bsquare's 3G Wireless Dev Kit saves video surveillance, point-of-sale, and telematics OEMs significant time when adding 3G capability.

NEXT STEPS

Contact your Bsquare Account Manager or call Bsquare at +1-888-820-4500 or +1-425-519-5900 or email sales@bsquare.com for more information or to request a demo.



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About Bsquare:

Bsquare is a solution provider to the global embedded device community. Our teams collaborate with OEMs at any stage in their device development to bring quality products to market faster. Since 1994, Bsquare has been a trusted partner to smart device makers worldwide.