

SDIO Hx

Multi-slot, High-Performance

Windows® CE SDIO Software Stack

Highlights

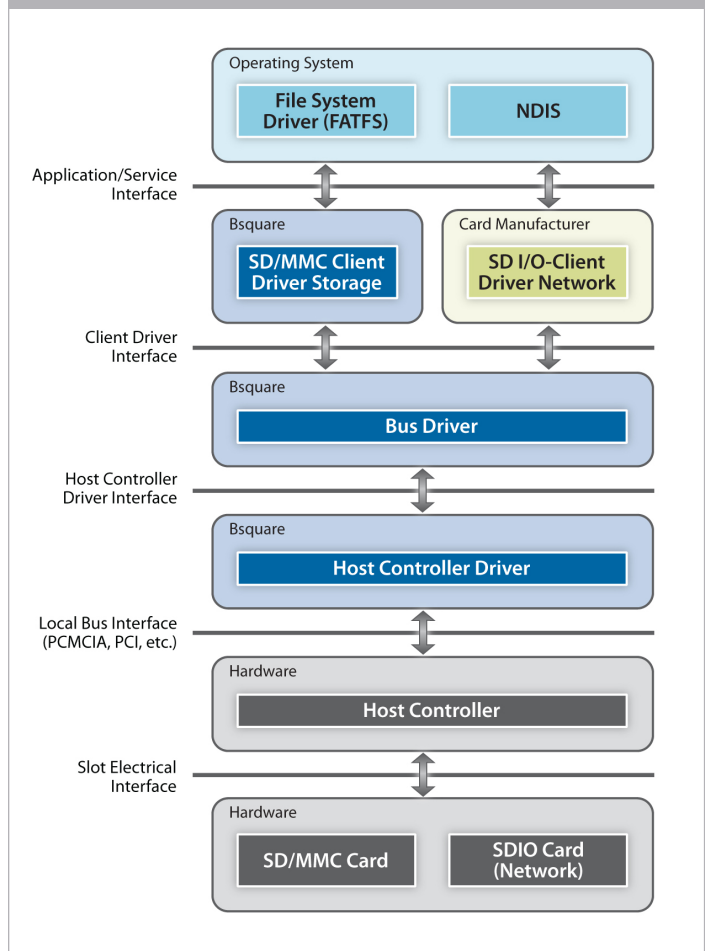
- Support for SD 2.0, SDIO and MMC specifications
- Supports 32GB SDHC Class 6 memory devices
- Multi-slot support with single host controller
- Supports Microsoft Embedded Windows
- Enhance SD performance by 4X

Overview

SDIO Hx is a high-performance Microsoft Windows CE Secure Digital Input/Output (SDIO) software stack optimized for mobile and wireless devices offering multiple slots of MMC/SD/SDIO thus reducing device cost and size. The product also supports semiconductor vendors developing host controller chips and card manufacturers

Device OEMs are rapidly adopting a multi- SD or SDIO slot strategy for smartphones and PDAs to cost-effectively add features like Wi-Fi, GPS, and satellite TV along with supporting memory cards. OEM devices are beginning to use the internal SDIO bus for high-data rate application peripherals, such as Wi-Fi, while maintaining an external SDIO slot for memory or IO functions. SDIO Hx extends OEM device makers' cost- optimization strategy by supporting multiple SDIO peripherals in their product design with the use of a single host controller¹. OEMs using other software solutions must design in a separate host controller chip for each SDIO slot.

SDIO Hx Architecture



High Performance

SDIO Hx provides ultra-high performance data throughput rates required for today's Wi-Fi and GPS applications. SDIO Hx delivers data rates improvements by 4X for memory devices and 2X for I/O devices over Microsoft SD stack.

Industry Standard

SDIO Hx supports both SD 2.0 and MMC Card Specifications. This standardization accelerates time to market for semiconductor vendors, device OEMs, and card manufacturers who must ensure compatibility across devices and cards.

Driver Development Kit

SDIO Hx is available as a driver development kit (DDK). Device run-time licenses are purchased separately as needed. Annual support contracts are available assuring best in-class technical assistance from experts of SDIO technology.

Platforms

Processors:

- Marvel PXA2xx
- Texas Instruments OMAP35xx
- Texas Instruments OMAP25xx
- Texas Instruments OMAP24xx
- Texas Instruments OMAP1030
- Texas Instruments OMAP850
- Texas Instruments TMS320DM644x
- Samsung SC2440
- Freescale iMX31

Operating Systems:

- Windows CE 5.0
- Windows CE 6.0 r2 / r3
- Windows Mobile 5.0
- Windows Mobile 6.0 / 6.1

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.

For more information, please visit www.bsquare.com. Or email us at sales@bsquare.com

At 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.

Bsquare Headquarters

Toll-free +1.888.820.4500
Tel: +1.425.519.5900
sales@bsquare.com