

HS-SDIO Product Brief

High-Speed WLAN SDIO Driver for Windows CE



Overview

SyChip's HS-SDIO driver doubles the wireless LAN throughput in current Windows CE devices. This driver, together with company's wireless LAN module, provides designers a complete high performance wireless solution that can be quickly integrated into handheld device.

High Performance

HS-SDIO provides effective user throughput on TCP layer as high as 16Mbps for 802.11 Wi-Fi. This enables true high speed Internet access. See the comparison data below.

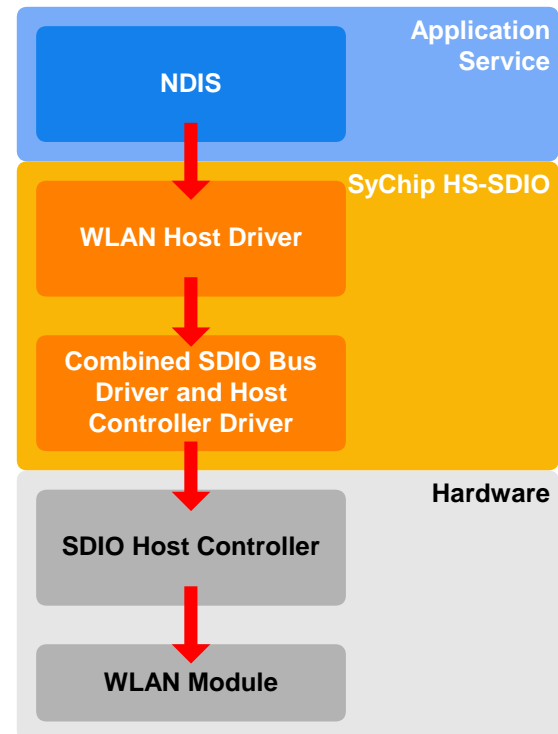
	Average Throughput on TCP
Standard SDIO	3.5 – 6.5 Mbps
HS-SDIO	9 – 16 Mbps

Support Multiple Platforms

HS-SDIO is targeted to handheld wireless devices. It is designed to support most popular application processor platforms in the mobile device market. Currently it supports Marvell® PXA27x, PXA3xx family of processors. Samsung® 244x, OMAP™ 2430, 850, 950, and i.MX31 are on the roadmap.

Time to Market

HS-SDIO driver has been fully verified with SyChip and Murata's WLAN module. This minimizes the integration effort required from handheld manufacturer, thus decreases the time to market.



HS-SDIO Driver Architecture

Specifications

- Standard Conformance: IEEE 802.11b/g
- SDIO: 1 bit and 4 bit
- Operating System: Windows CE 5, Windows Mobile 5, 6, Windows CE 6

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Visit our website: www.sychip.com
Corporate Headquarters
Parkway Centre II
2805 North Dallas Parkway, Suite 400
Plano, TX 75093 U. S. A.
Tel: (1) 972-202-8888 • Fax: (1) 972-633-0327