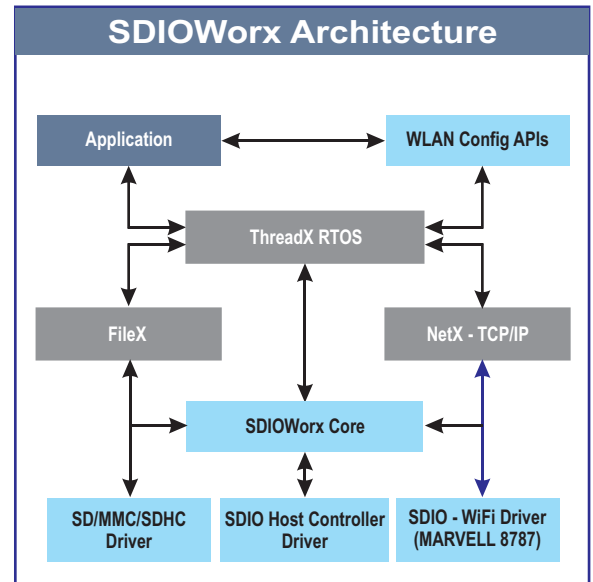


**Overview :**

embWiSe's embedded Secure Digital I/O (SDIO) software stack - "**SDIO Worx**" - is the only commercial SDIO software stack supported on ThreadX RTOS. As a third party ISV partner of Express Logic, embWiSe now supports MARVELL SEMICONDUCTOR'S 88W8786/8787 (802.11 n) WLAN technologies with its SDIO Worx under ThreadX RTOS.

**Highlights :**

- \* The only SDIO software stack optimized for ThreadX RTOS with integrated SDIO-WiFi driver support for MARVELL 88W8787 WLAN technologies.
- \* High Performance : Data throughput rate of 35Mbps on Atmel AT91SAM9263 (ARM9 Core) Development Platform
- \* Support for embedded Wireless Protected Access (WPA/WPA2 - PSK, EAP) Supplicant based on 802.11i standards integrated with 88W8787 SDIO-WiFi driver Enhances Wireless Security
- \* Tested and validated on Standards based SD Host, Samsung's ARM7 and Atmel's AT91SAM9263 (ARM9) processor platforms with more application processor support on the anvil
- \* High performance SD/MMC/SDHC Storage drivers integrated with FileX File System
- \* Complete SD /MMC/SDHC standards based Storage and production ready SDIO-WiFi support for MARVELL 8787, accelerates time to market for device OEMs across all the verticals
- \* Accelerates SDIO functionality test and validation for semiconductor and peripheral card vendors

**SDIO-WiFi Driver Software Features :**

- 802.11b/g/n Infrastructure and Ad-Hoc (IBSS) network mode
- 64 and 128 bit WEP Key Encryption for Infrastructure and Ad-Hoc mode
- IEEE Power Save mode
- Rate Adaptation
- Deep Sleep Support
- Transmit Power Control
- WEP64 and 128 bit encryption
- WPA/PSK, AES, WPA2-PSK, 802.1x authentications with EAP
- Set of APIs to configure the WLAN parameters

embWiSe provides embedded SDIO stack and SPI/SDIO-WiFi solutions on several Host processor and OS platforms. embWiSe's ready-to-go WiFi solutions mitigate device designers' engineering lead-time and time-to-market. With several successful design-ins in a variety of devices, ranging from mobile phones to PoS terminals, embWiSe is well placed to meet device designers' unique embedded WiFi needs.

**For more information, please visit [www.embwise.com](http://www.embwise.com);**

**Contact: [info@embwise.com](mailto:info@embwise.com)**

embWiSe Technologies Pvt.Ltd.  
III Floor,Annex-I, Guna Complex,  
443,Anna Salai,Teynampet,  
Chennai-600018,India  
Tel: +91-44-4215 1918

embWiSe Technologies Inc.,  
2900 Gordon Avenue, #100-21  
Santa Clara, CA 95051, USA  
Tel: (408) 735 7252