





Wi-Fi product selector for M2M, SmartHome and IoT applications

Wi-Fi #	BOX858 	SPB800S/P	SPB820P	SPB4100S	HDG104	HDG204	HDG200 
Picture Wi-Fi products							
Status MOQ	Production, Order: 1/100	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production, MOQ 2,5K	Sample phase, MOQ 2,5K
WLAN 802.11, Category	b/g/n + On board IP stack	b/g + On board IP stack	b/g/n + On board IP stack	b/g/n	b/g	b/g	b/g/n
Description	Full Linux system with all communication SW needed for Wi-Fi and TCP/IP	SMD WiFi board + integrated tcp/ip stack and full serial port application. Or API Pico mode	SMD WiFi board + integrated tcp/ip stack . API Pico mode	SMD Wi-Fi Module. Incl.tcp-off load. pre programmed with the Wi-Fi firmware	WiFi SIP 802.11 b/g component in 44-pin QFN,	WiFi SIP 802.11 b/g/n component in 44-pin QFN	WiFi SIP 802.11 b/g/n component in 44-pin QFN,. For embedded Linux systems
Wireless config. softAP	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes
WPS	n/a	n/a	Yes	Yes	n/a	n/a	n/a
Lowest current: Sleep current:	n/a , AC/DC	50nA <250uA	50nA <250uA	<15uA <160uA	<15uA <30uA	<15uA <30uA	<11uA <40uA
Wi-Fi drivers. SDK:s	Only config necessary	http://pico.hd-wireless.se	http://pico.hd-wireless.se	Yes*, MQX O/S driver support.	Yes*	Yes*	http://linux.hd-wireless.se
Size	86x57x24mm	34x22x5mm	26x21x3,5mm	26x21x3,5mm	7,5x7,5x1,4mm	8x8x1,2mm	8x8x1,2mm
Certifications	CE	FCC/CE/IC	FCC/CE/IC	FCC/CE/IC	Pre FCC/CE/IC	Pre FCC/CE/IC	Pre FCC/CE/IC
Interfaces	RS485	UART	UART	SPI	SDIO/SPI	SDIO/SPI	SDIO/SPI
EVK / design kits	n/a	HDA800	HDA820	SPB410**	SPB104	SPB204	SPB200






* Included in H&D Wireless software suite for supported and selected host MCU platforms. www.hd-wireless.se / products/ Software & tools. ** Supported on Freescale Tower platform EVK.



Wi-Fi Guide



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Wi-Fi #	SPB104	SPB204	SPB200	HDA800	HDA820
Picture EVK:s / Design vehicles					
Status	Stocked	Stocked	Sample Phase	Stocked	Stocked
WLAN 802.11, Category	b/g	b/g	b/g/n	b/g + On board IP stack	b/g/n + On board IP stack
Description	Design vehicle , SD card, HDG104 Wi-Fi SIP on board.	Design vehicle , SD card HDG204 Wi-Fi SIP on board	Design vehicle , SD card HDG200 Wi-Fi SIP on board	EVK for the SPB800 WLAN Module solution	EVK for the SPB820P WLAN Module solution
Wi-Fi drivers. SDK:s *	The H&D Wireless software* implements the full IEEE 802.11 wireless LAN MAC protocol as well as a platform independent WiFi Software SDK (oWL ©)	The H&D Wireless software* implements the full IEEE 802.11 wireless LAN MAC protocol as well as a platform independent WiFi Software SDK (oWL ©)	http://linux.hd-wireless.se Linux Reference driver, generic library	http://pico.hd-wireless.se The oWL Pico API and reference design is designed to be compiled and executed on multiple platforms.	http://pico.hd-wireless.se The oWL Pico API and reference design is designed to be compiled and executed on multiple platforms.

Wi-Fi Modules & SiP:s

- Lowest Power Consumption
- High Level of Integration
- High System Performance
- Supported on Leading Micro-controller Platforms for quick design turnaround
- FCC, CE Certified

CONTACT



<http://www.digikey.com/us/en/international/europe.html>

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- *H&D Wireless provide license free (0 USD) Wi-Fi drivers , SDK:s for selected host MCU platforms. [www.hd-wireless.se /products/Software & tools](http://www.hd-wireless.se/products/Software%20&%20tools)
- Design and specification are subject to change without notice
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