





2015 Wi-Fi product selector for M2M, SmartHome and IoT applications 1(2)

Wi-Fi #	SPB800S/P	SPB820P	HDG820P	HDG104	HDG205	HDG200	
Picture Wi-Fi products		NEW & NP	New N P IN NP HED Winsters HIS G2209 1502 615	Line	NEW O IN MP HU West see HOC205 1522 01	New 8 In NR In NR HDC700 1502 01	Wi-Fi Modules
Status MOQ	Mass Production	Mass Production	Mass Prod. MOQ 2,5K	Mass Production	Mass Prod. MOQ 2,5K	Mass Prod. MOQ 2,5K	& SiP:s ✓ High level of Integration
WLAN 802.11, Category	b/g + On board IP stack	b/g/n + On board IP stack	b/g/n + On board IP stack	b/g	b/g/n	b/g/n	 ✓ FCC, CE Certified
Description	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	WiFi SiP 802.11 b/g/n +integrated tcp/ip stack . API Pico mode	WiFi SiP 802.11 b/g component in 44-pin QFN,	WiFi SiP 802.11 b/g/n component in 44- pin QFN For embedded, STM32 cortex	WiFi SiP 802.11 b/g/n component in 44-pin QFN,. For Linux systems	 ✓ Reference design ✓ APP and Cloud ready
Wireless config. softAP	Yes	Yes	Yes	Yes*	Yes	Yes	
WPS	n/a	Yes	Yes	n/a	n/a	n/a	MEMBER
Lowest current: Sleep current:	50nA <250uA	50nA <250uA	50nA <250uA	<15uA <30uA	<15uA <30uA	<11uA <40uA	
Wi-Fi drivers. SDK:s	http://pico.hd- wireless.se	<u>http://pico.hd-</u> <u>wireless.se</u>	<u>http://pico.hd-</u> wireless.se	Yes*	Yes*	<u>http://linux.hd-</u> <u>wireless.se</u>	Wi-Fi Guide_2015/02_CFE_hdw
Size	34x22x5mm	26x21x3,5mm	8x8x1,2mm	7,5x7,5x1,4mm	8x8x1,2mm	8x8x1,2mm	/05 ⁻ C
Certifications	FCC/CE/IC	FCC/CE/IC	Pre FCC/CE/IC	Pre FCC/CE/IC	Pre FCC/CE/IC	Pre FCC/CE/IC	2015,
Interfaces	UART	UART/SPI	UART/SPI	SDIO/SPI	SDIO/SPI	SDIO/SPI	
EVK / design kits	HDA800	HDA820	HDA820	SPB104	SPB205	SPB200	Mi-Fi G

* 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.





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Wi-Fi #	SPB104	SPB205	SPB200	HDA800	HDA820	₩ ĨNTERNET [®]	÷
Picture EVK:s / Design vehicles		New of the second secon	New So		New OR	THINGS	Temparohava 28.0°C
Status	Stocked	Stocked	Stocked	Stocked	Stocked	A seminar	
WLAN 802.11, Category	b/g	b/g/n	b/g/n	b/g + On board IP stack	b/g/n + On board IP stack	SPB820P Wi-Fi module	
Description	Design vehicle , SD card, HDG104 Wi- Fi SIP on board.	Design vehicle , SD card HDG205 Wi-Fi SIP on board, embedded, STM32 cortex	Design vehicle , SD card HDG200 Wi-Fi SIP on board, Linux	EVK for the SPB800 WLAN Module solution	EVK for the SPB820P WLAN Module HDG820P SiP solution	HDG820P Ref. design	ss.se
Wi-Fi drivers. SDK:s *	The H&D Wireless software* implements the	The H&D Wireless software*	<u>http://linux.hd</u> <u>-wireless.se</u>	<u>http://pico.hd-</u> <u>wireless.se</u>	<u>http://pico.hd-</u> <u>wireless.se</u>	•	rele:
Cortex Intelligent Processors by ARM	full IEEE 802.11 wireless LAN MAC protocol as well as a platform	implements the full IEEE 802.11 wireless LAN MAC protocol as	Linux Reference driver, generic library	The oWL Pico API and reference design is	The oWL Pico API and reference design is designed to be	HDG820P Wi-Fi SiP 8x8mm	<mark>d-wi</mark>
Atmel	independent WiFi Software SDK (oWL ©)	well as a platform independent		designed to be compiled and executed on	compiled and executed on multiple	Owl Pico API	<u>www.hd-wireless</u> sales@hd-wireless.se
Freescale		WiFi Softwa SDK (oWL ©		multiple platforms.	platforms.	Owl API	<u>ww</u> sale

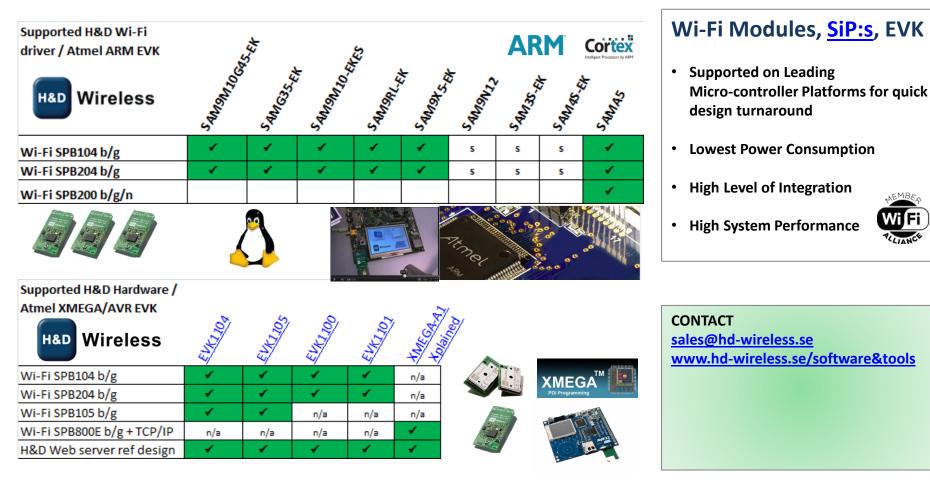
*H&D Wireless provide license free (0 USD) Wi-Fi drivers , SDK:s for selected host MCU platforms. <u>www.hd-wireless.se</u> /products/Software & tools

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Wi-Fi / Supported host architecures	STM32F1	STM32F2	STM32F4
SPB104 Wi-Fi	✓ ОК	✓ ОК	✓ ОК
SPB204 Wi-Fi b/g	√ ОК	✓ ОК	✓ ОК
SPB205 Wi-Fi b/g/n			✓ ОК

Wi-Fi Modules, <u>SiP:s</u>, EVK

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

CONTACT sales@hd-wireless.se www.hd-wireless.se/software&tools

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