





### 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 & In NP	New NR IN NR HED/Wroteen HSG 52CP 1502 CHS • 2 CHS	Lange	NEW O IN MP HULWESTER HOC205 1522 01	New W IN NR IN NR HDC700 1502 01	<b>THINGS</b> 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	<ul> <li>✓ FCC, CE</li> <li>Certified</li> </ul>
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	<ul> <li>✓ Reference design</li> <li>✓ APP and Cloud ready</li> </ul>
Wireless config. softAP	Yes	Yes	Yes	Yes*	Yes	Yes	
WPS	n/a	Yes	Yes	n/a	n/a	n/a	NEMBER
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 product selector for M2M, SmartHome and IoT applications 2(2)

Wi-Fi #	SPB104	SPB205	SPB200	HDA800	HDA820		re and the second
Picture EVK:s / Design vehicles		New 8	New Son NR		New OR	THINGS	Temparahava 28 0°C
Status	Stocked	Stocked	Stocked	Stocked	Stocked	a second and a second and a second a se	
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 * ARM Cortex Intelligent Processors by ARM	The H&D Wireless software* implements the full IEEE 802.11 wireless LAN MAC protocol as well as a platform	The H&D Wireless software* implements the full IEEE 802.11 wireless LAN MAC protocol as	http://linux.hd -wireless.se Linux Reference driver, generic library	http://pico.hd- wireless.se The oWL Pico API and reference design is	http://pico.hd- wireless.se The oWL Pico API and reference design is designed to be	HDG820P Wi-Fi SiP 8x8mm	<mark>www.hd-wireless</mark> sales@hd-wireless.se
	independent WiFi Software SDK (oWL ©)	well as a platform independent WiFi Softwars SDK (oWL ©		designed to be compiled and executed on multiple platforms.	compiled and executed on multiple platforms.	Owl Pico API	<mark>/ww.hd</mark> les@hd-

\*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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