

A selector guide for M2M, Smart Home and IoT applications



H&D Wireless AB founded in 2009 is one of Sweden's fastest growing and most decorated high tech start-ups. The company has to date shipped more than 1,100,000 wireless products for smart home and wireless multimedia solutions across the globe.

Stock market listing in Q2 2017



Award winning Wi-Fi System in Packages, Modules and solutions for Linux and embedded systems.

Wi-Fi 802.11 ac, Bluetooth 5.0 , NFC, UWB, LTE

For more information please contact us on

sales@hd-wireless.se or visit www.hd-wireless.se.

For turn-key product development and design services visit our innovation and design lab www.hd-labs.se

Modules for different type of integration levels and access speed requirements



**Embedded
Driver on host**



**Driver and
TCP/IP stack
on chip**



**Linux,
high speed**

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NEW PRODUCTS 2017

- H&D Wireless modules provides fast end customer design turn around
- World class Wi-Fi +BT 5.0 modules

Contact sales@hd-wireless.se

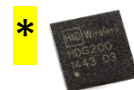
* New: All SiP:s are shielded



Wi-Fi
11ac



Wi-Fi +BT
Dual band



Wi-Fi
11ac



Wi-Fi +BT
Dual band



Order option:
with LTE filter.
With or w/o
Antenna

Part#	HDG226	HDG229	SPB226	SPB229
Supported standards				
	802.11ac	802.11abgn	802.11ac	802.11abgn
	BT 5.0	BT 5.0	BT 5.0	BT 5.0
Frequency	2,4GHz + 5GHz	2,4GHz + 5GHz	2,4GHz + 5GHz	2,4GHz + 5GHz
Bluetooth 5.0	Yes	Yes	Yes	Yes
NFC	n/a	n/a	n/a	n/a
Linux distribution	Yes	Yes	Yes	Yes
FCC/CE/IC	Yes,	Yes	Yes	Yes
SIP size	8x8mm	8x8mm	14x14 x 2.5mm	14x14 x 2.5mm
EVK Part#	HDA226	HDA229	HDA226	HDA229
Availability	ES Q2/2017	ES Q2/2017	ES Q2/2017	ES Q1/2017



EVK# HDA229

Note 1: H&D Wireless is a selected Marvell module house.

Note 2: Wi-Fi Linux driver distribution: <http://linux.hd-wireless.se>

- 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)
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MASS PRODUCTION 1(2)

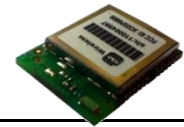
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- World class modules

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Wi-Fi 11ac, High speed

Wi-Fi + TCP/IP stack on board



EVK: HDA209



EVK: HDA820



SPB209 Wi-Fi 11ac, BT4.2, NFC, FCC/CE/IC, PCB module Linux Driver, footprint 14 x 14 mm², high performance combo. Option; with LTE filter. With or w/o Antenna

SPB820P wi-fi b/g/n + MCU smart module, FCC/CE/IC, minimal embedded and Linux driver "oWL-pico" Fastest design turn around time. Target: M2M, IoT. Limited throughput.

Linux distribution, (lic. free 0 USD)

<http://linux.hd-wireless.se>

Embedded Pico driver (lic. free 0 USD)

<http://pico.hd-wireless.se>

Part#	SPB209A	SPB820
Supported standards		
	802.11ac	802.11bgn
	BT4.2, NFC	
Frequency	2,4GHz + 5GHz	2,4GHz
Bluetooth 4.2	Yes	n/a
Bluetooth 5.0	no	n/a
NFC	Yes	n/a
Linux distribution	Yes	Yes
TCP/IP stack on board	n/a	Yes
Emedded driver, Pico API	n/a	Yes
FCC/CE/IC	Yes	Yes
SIP size	14x14 x 2.5mm	20.9x26.6
EVK part#	HDA209	HDA820
Availability	In MP	In MP

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MASS PRODUCTION

2(2)

- H&D Wireless modules provides fast end customer design turn around
- World class modules

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H&D wireless modules supported on leading MCU platforms



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Design vehicles, EVK SDK

SPB200



Wi-Fi b/g/n
Linux



SPB205



Wi-Fi b/g/n
Embedded



HDA820



Wi-Fi b/g/n
+ MCU



Part#	HDG200	HDG205	HDG820
Supported standards			
	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
			on board TCP/IP
Frequency	2,4GHz	2,4GHz	2,4GHz
Bluetooth 4.2	n/a	n/a	n/a
Bluetooth 5.0	n/a	n/a	n/a
Embedded driver	n/a	Yes	Yes
Linux distribution	Yes	Yes	Yes
FCC/CE/IC	Yes,	Yes	Yes
SIP size	8x8mm	8x8mm	8x8mm
EVK part#	SPB200	SPB205	HDA820
Availability	In MP	In MP	In MP