

connectBlue

Answers and facts regarding differences between: **OWLAN211G** and **OWSPA311G**

The **OWLAN211G** module is a high speed SPI-module that requires a special SW driver, "WLAN driver". The WLAN driver is running in the customer's host processor. The customer needs to sign a Software License Agreement, (SLA), with connectBlue before they can buy the WLAN driver or take part of the driver documentation. The customer buys the WLAN driver directly from connectBlue. We currently have a WLAN driver available for Linux 2.4/2.6, (written for TIOMAP). WLAN driver for Win CE 5.0 is planned to be available in May 2007. The customer needs to port the WLAN driver to their host processor and OS. The interface between the OWLAN211G module and the host is SPI. Interrupts has to be supported and the host has to be a Little endian compatible CPU. The host must also be capable of handling TCP/IP related data, (have a TCP/IP stack).

The **OWSPA311G** module is a Serial-to-WLAN module that has all needed software included in the module. This module is very easy to get up and running and it is fast to configure using AT commands. The OWSPA311G has a built in CPU that runs the full WLAN driver, a small TCP/IP stack and an AT command application. With these AT-commands you can control and configure the module from a host system without the need for a WLAN driver.

The **OWLAN211G** module can support much higher data rates than the OWSPA311G. The OWLAN211G supports SPI clocks up to 66 MHz, which corresponds to a maximum throughput of 33 Mbps over the SPI bus.

The **OWSPA311G** uses a serial UART interface with support for baud rates up to a maximum of 921 kbps.

The price of the **OWLAN211G** is lower in comparison to OWSPA311G, due to that it has no extra CPU and memory on-board. However, the customer needs to allocate more time and development resources in order to get it up and running, because of the driver porting and the extra testing needed.