



# Prevas Wireless Platform

The Prevas Wireless Platform is a collection of proven hardware and software components that can be used to design device solutions, even battery-powered and pocket-sized, that can integrate highspeed wireless packet-based radio technologies such as 3G/UMTS(FDD & TDD), HSDPA, WiMAX and Flash-OFDM together with WiFi and Bluetooth. Devices derived from the Prevas Wireless Platform can be used to give users their own, secure way of communication and connection, bringing real mobility into their daily life.

## Key Benefits

- Fast turn-a-round time for customer requirement driven products. Rapid prototyping, typically less than 3 months, and ready for approval of product can be less than 6 months when already available Prevas Wireless Platform requirements are used.
- Cost effective initial BOM and low NRE (Non Recurring Engineering) for further development work.
- Flexible Platform licenses model.

## Highlights

- Flexible design, easy to modify to customers needs.
- Supports fixed and wireless backhaul.
- Small form factor.
- Flexible power solution.
- Built-in router and security functionality.
- Local connectivity (Ethernet, USB, WiFi, Bluetooth).

## References

We have designed and developed the Wireless Residential Gateway (WRG) for a customer. With the WRG in their portfolio they can show a trustworthy and innovative roadmap and be competitive in the wireless arena. The WRG integrates very high-speed packet-based UMTS/3G, UMTS TD-CDMA or FLASH-OFDM with WiFi to provide users with instant, easy Wireless Broadband Access and Telephony.

## Contact:

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Prevas is an innovative IT company with a strong corporate culture that gives its customers a world-class competitive edge. Prevas has delivered profitable solutions for the future for over 20 years. Innovation, quality assurance and delivery reliability characterize Preva's solutions, which has qualified Prevas for many successful assignment from leading global enterprises.



Prevas is the leading Nordic Design House for outsourcing of complex R&D. Working with Prevas, you get experience, enthusiasm and desire. You get the help of a committed partner in the development of intelligent products for the future.

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## KEY COMPONENTS

### Flexible architecture

- Networking CPU module (SODIMM).
- Multiple WLAN vendor support through mini-PCI.
- Radio modem support through USB, UART and PCMCIA/Cardbus.
- Integrated antenna and power solution.

### Target Applications

- Wireless gateway routers.
- Wireless Customer Premises Equipment, CPE.
- Mobile and portable devices.
- Devices that require high speed data communication.

### Power

- Low cost DC-power supply solution.
- Battery operated solution for portable devices.

### Networking & Connectivity

- DHCP server and Network addresses are fully configurable.
- Dynamic IP addresses and network security have translation (NAT/NAPT) support.
- Local connectivity through WiFi, Ethernet, Bluetooth and USB, incorporates capabilities for allowing wireless enabled computers and handheld devices to connect to the Internet.

### Simplicity through remote management

- The platform is designed for remote management, configuration and software upgrades through Wireless WAN and LAN.
- Embedded Web server, accessible through Wireless WAN and LAN.

### Business model

Payment is divided into NRE cost for development and platform licenses. The license cost can be split into three categories: Initial fee, Royalty and Support and maintenance fee.

### Platform licenses

The Prevas Wireless Platform is based on existing hardware and software components from both Prevas and other vendor's. Some components require patent royalties but are otherwise license free. In most cases all of these are mandatory, in some cases (patent license) there is no support fee.

For in depth technical information, please see the technical specification.

Please visit Prevas for more information.

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