



Bluegiga eHealth Products



the *Bluetooth*-based medical devices with Internet-based back end services. Larger scale Access Point installations can be securely and remotely managed with the Bluegiga Solution Manager software.

Bluetooth Health Device Profile

The *Bluetooth* Health Device Profile enables health and medical related data transmit between *Bluetooth* devices. The HDP profile offers unique features such as, extra reliability that is not included in other *Bluetooth* profiles. A key feature in the HDP profile is also the application level interoperability, which is defined with a group of IEEE standards.

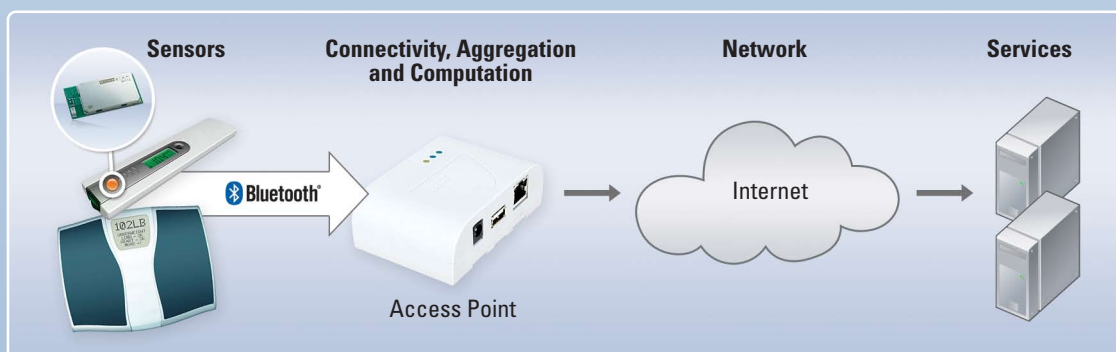
Continua Compliance

The IEEE 11073-20601 Optimized Exchange Protocol provides a framework of information modeling, information access and measurement data transfer suitable for a wide variety of personal health devices. The goal of IEEE 11072-20601 is to enable interoperability between sensors and data management devices to process, display or transfer the specific measurements.

In addition, the IEEE standards contain specific Device Data Specializations that define the capabilities of unique health devices. Bluegiga eHealth products implement the IEEE Optimized Exchange Protocol as well as the Device Data Specializations. The eHealth Access Points also support Continua WAN interface specification.

Bluegiga Technologies Inc. provides *Bluetooth*-based wireless module and access device solutions to OEMs, integrators and teleoperators. The secure, cost-effective and easy to integrate devices are used by industry leaders in the areas of health and medical, automotive, audio, industrial, and consumer applications. Bluegiga was founded in 2000 with head office in Finland and sales offices in United States and Hong Kong. Through our distribution network we have presence in more than 65 countries worldwide.

Bluegiga offers a new range of *Bluetooth* access devices and modules with dedicated features and approvals for health, medical and fitness applications. Bluegiga eHealth Access Points and eHealth Modules™ offer the *Bluetooth* Health Device Profile (HDP) and Continua's IEEE-based data transfer protocols. The eHealth *Bluetooth* Modules allow device manufacturers to build Continua compliant wireless medical devices with *Bluetooth* HDP connectivity. The eHealth Access Point can be used as a network gateway device for connecting





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Bluegiga eHealth Access Point

Bluegiga eHealth Access Point is a size optimized access device targeted at health and medical applications. The product is designed to fit wireless *Bluetooth* applications where the network performance, reliability, scalability and easy management are important design drivers. The heart of the Access Point is Bluegiga's customized Linux operating system with a number of built in applications including HDP and IEEE. The product has a software interface that enables you to connect your *Bluetooth* equipped devices into TCP/IP networks with built-in security and reliability.



WT11 - Class 1 *Bluetooth* 2.1 + EDR Module

WT11 is a class 1, *Bluetooth* 2.1 + EDR module with up to 250 meters range. It's a highly integrated module, containing all the necessary elements from *Bluetooth* radio to antenna, and a fully implemented iWRAP *Bluetooth* stack including HDP. Bluegiga WT11 provides an ideal solution for developers who want to integrate *Bluetooth* wireless technology into their design with limited knowledge of *Bluetooth* and RF technologies. Bluegiga has in-house knowledge of both software and hardware - offering customers a single point of contact for all *Bluetooth* related issues.



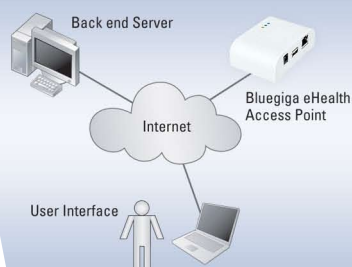
WT12 - Class 2 *Bluetooth* 2.1 + EDR Module

WT12 is a class 2, *Bluetooth* 2.1 + EDR module with range up to 30 meters. It's a highly integrated *Bluetooth* module, containing all the similar features as WT11 above and deploying the same iWRAP *Bluetooth* stack with HDP. By using WT12 combined with Bluegiga's complete development, testing and verification service offering, and excellent developer support, OEMs and designers ensure that their products reach the market rapidly and cost-effectively in relation to time and resources.



WT41 Long Range *Bluetooth* Module

WT41 is truly a long range *Bluetooth* module offering impressive 1000 meters range between two WT41 *Bluetooth* modules. The module utilizes Bluegiga's sophisticated radio frequency design methodologies and offers OEM's a trouble free product even with tight integration with surrounding electronics. WT41 comes with Bluegiga's iWRAP *Bluetooth* stack and HDP.



Bluegiga Solution Manager (BSM)

Bluegiga Solution Manager (BSM) is a web-based remote management and monitoring platform for Bluegiga eHealth Access Points. By using BSM, you can simultaneously upgrade, monitor and configure several devices instead of configuring each device one-by-one. BSM is designed for larger scale networks requiring a ready-made management tool.