



## Bluegiga Case Study

### IEM



### IEM Wireless Blood Pressure Monitors and Weight Scales

IEM is a German company that is specialised in non-invasive blood pressure products including ambulatory and home blood pressure monitors. High blood pressure is one of the most important risk factors today. Blood pressure monitoring is a standard procedure for doctors and home use. Modern devices are becoming increasingly lightweight, user-friendly and aesthetic in design.

IEM developed a wireless option for the blood pressure monitor. It enables data collection through a cell phone and sends it directly to the Internet. On the online database an automated interaction between the patient and the physician is granted, in order to efficiently manage hypertension. By using this system, primary care costs in the public healthcare can be decreased. The devices are built with a Bluegiga WT12 *Bluetooth* module. They enable user-friendly and optimised measuring safety at home. The products improve significantly patient comfort by minimal arm pressure and short measuring time. In addition to the *Bluetooth* data transmission, they have an infra red communication port for downloading data to the doctors' PC. In addition, IEM also provides *Bluetooth* GSM and GPRS modems that work with the Bluegiga-standard. The modems can replace the cell phones.