



Telemetry

Because of its sweeping advantages in a number of industrial applications, wireless telemetry is one of today's fastest growing wireless technologies. Basically, wireless telemetry uses either terrestrial (eg. GSM) or satellite based networks for machine-to-machine or machine-to-person communications that immediately notify operators of changing conditions.

With wireless Telemetry, your machines can be set to call you, so you don't have to call on them. It's the effective way to collect information, set parameters, receive indications of unusual situations or take care of on-line transactions on countless machines such as elevators, vending machines, automatic metering. As a result, your business becomes more effective. Customer service is improved. And practically limitless opportunities are created.

Enterprises use wireless telemetry for countless applications. A few examples include monitoring remote operations, tracking and managing fleet vehicles or notifying emergency personnel when a lone worker needs medical assistance. Used in conjunction with temperature sensors, wireless telemetry can automatically signal a company of malfunctioning equipment in a remote location before the equipment overheats. That way, the company can shut down problematic equipment or turn on emergency equipment.

Other telemetry devices can track mobile assets using Global Positioning System (GPS) satellites and two-way data communication. For example, a truck fleet operator can monitor a truck's location, maintain two-way communication with the driver and monitor the truck's engine and trailer refrigeration unit - all at the same time. The possibilities for better management and efficiencies are virtually unlimited.

Wireless telemetry is one of today's fastest growing technologies



WatchLink GSM design and manufacture innovative products that can be used in GSM based Telemetry systems and products. Our products are used in areas such as remote site monitoring, vending machines, transportation, environmental compliance and building management. Using the GSM network, you can monitor and control remote appliances and assets using your mobile phone. Using the GPRS network, you can have end to end solutions from remote devices to host servers and the Internet.

We also produce a range of plug in modules that complement the GSM Telemetry products using GPS, WiFi and other RF technologies. Combining these modules with our Telemetry products, will enable you to create powerful M2M solutions for use in location tracking and wireless networks. We provide you with compact and ready to go hardware solutions so that you can concentrate on creating your own products or integrating your application. Hence you are faster to market, thereby saving time and expense. We can offer customised solutions for your ideas and applications. All our products support GSM/GPRS standards that are in use worldwide. So, if you need to add wireless connectivity to your equipment or assets, you should take a closer look at our products.

Our aim is to provide the fast growing wireless M2M markets with the latest technology products such that our customers can more readily provide solutions in this exciting area

PRODUCTS



- * **WatchLink GSM WL-30 Pod adds powerful GSM monitoring and control technology to your product or assets in less space, for less integration time, and at less cost**

The **WL-30 GSM Pod** integrates a Wavecom quad band GSM engine and is available in a DIN enclosure or on a flat base plate. The WL-30 has a small footprint (65 x 85mm) and can be used for quick and easy integration into your products and assets such as security panels, control appliances and plant equipment to give you remote monitoring and control capability over the GSM/GPRS networks. The Pod is ready for immediate use due to its robust interfaces and ease of programming. Using a PC serial cable connection and the Windows based Espresso program, you can easily download specific I/O configurations and M2M communications parameters. You can of course further develop your own application programs using the C programming language.



- * **WatchLink GSM WL-50B base unit can remotely monitor and control various devices over the GSM Network using your own mobile phone**

The flexible configuration of the **WL-50B GSM base** allows it to be used in a variety of applications including remote sensing of switches, sensors and security devices and also control of equipment such as lights, pumps and actuators. Using the WL-30 GSM Pod as its main GSM/GPRS engine, the WL-50B is housed in a robust waterproof enclosure that integrates user connectors and Mains rated power relays. PrePaid SIM cards can be used for the majority of applications and the unit employs extensive security.



- * **WatchLink GSM new WL-100 module adds powerful GPS/Bluetooth technology to your products with less development time to ensure speed to market**

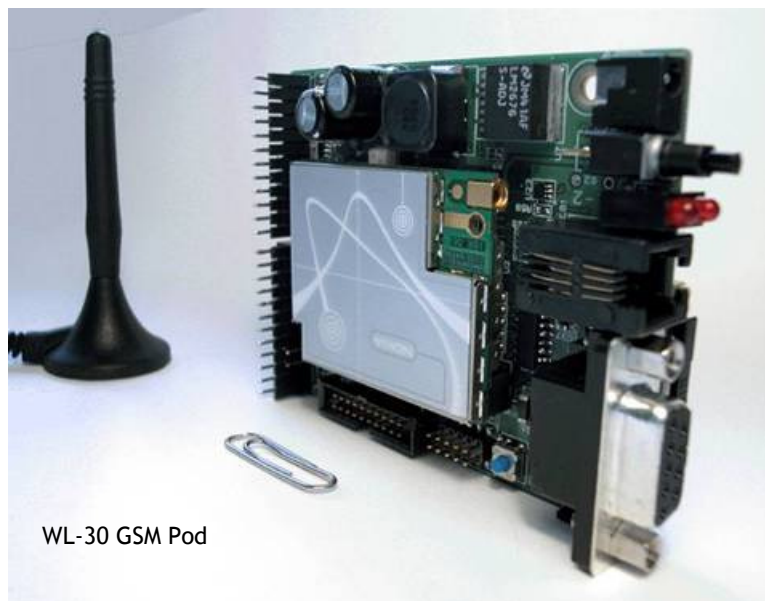
The **WL-100** is a versatile module that combines the functionality of the GPS service for PVT (position, velocity, time) sensing and the convenience of Bluetooth for short range communications. The WL-100 module is designed for quick and easy integration into your products and assets such as vehicles, Telemetry systems and plant equipment to allow location tracking and remote monitoring. Combining the WL-100 module with the WL-30 GSM Pod, enables powerful Wireless M2M solutions to be created.



What is M2M ?

There are millions of machines around us - vending machines, elevators, pumps and meters, traffic lights... To keep going, most of them need to be monitored and supervised, have information collected, parameters set and online transactions conducted. Communication is needed between systems, devices and individuals. That is what M2M stands for ; machine-to-machine, mobile-to-machine and machine-to-mobile. Wireless technology is already managing data transmission and connection to the Internet. So it makes good sense to put it to work in machines. The M2M business is in a phase of fast growth and M2M solutions are fast becoming a part of many companies' everyday life. GSM networks are used worldwide and so it makes sense to harness these networks for remote Telemetry applications. Applications can be found in almost any segment or environment such as ;

- Security
- Automatic meter reading
- Vending machines
- Elevators and escalators
- Process Control
- Cargo tracking
- Road traffic information
- Traffic control systems
- Environmental Monitoring
- Telemedicine
- Agriculture
- CCTV
- Water Treatment
- Pollution Control
- Personnel Monitoring
- Access control
- Home Automation
- Remote site monitoring
- Facilities management
- Energy audits



The **WatchLink GSM** WL-30 Pod provides the possibility to control devices and query data from them remotely, such as at home, at the office, or while on vacation. The compact sized Pod can be integrated with and installed in any industrial devices to provide marked improvements in productivity. These include air conditioners, security panels, access readers or any household equipment for making automation solutions. Together with GPS support, the Pod can improve managing transport vehicles and plant equipment. Because of its diverse range of interface connectors, the WL-30 Pod can be easily expanded to create other products. For example, **WatchLink GSM** have integrated the WL-30 GSM Pod into a robust waterproof product (WL-50B) for more demanding applications. The Pod can be wired directly to many sensors, actuators and devices without the addition of any external circuitry to give ready-to-go wireless Telemetry solutions using the GSM/GPRS networks. All our products can be programmed with easy to use Windows based software program-such as Configurator to give you in many cases immediate solutions.