



Application purpose:

- Tracking
- Positioning
- Identification
- Access Control

Features:

- Bluetooth™ Standard v. 1.2
- LED's For User Information
- Shock-Resistant Plastic
- Low Battery Warning
- Powerful CSR-processor

The WatchTag WT-004 is an intelligent Bluetooth™ Tag which provides the ideal solution for tracking and or positioning of any type of personnel, animal, materiel or when used in combination with the BlueAccess® access control systems normally employed in such as commercial buildings, homes, public transportation systems, and professional gated garage systems that require fast, reliable and secure performance. The WT-004 is made of shock-resistant plastic and can be attached to an individual's clothing or worn as a watch. The WT-004 is an essential part of any location or identification system as it acts as the located object. An individual wearing the WT-004 will thus be registered by access points covering the area in question. The WT-004 can furthermore function as a

marketing tool, as logos, brand names or company mascots representing either the end-user organization or external sponsors can be printed on the wrist strap. The Bluetooth™ technology operates locally and is therefore free to use without the need of any external services such as costly mobile subscriptions.

WT-004 can for example be used for:

- **Tracking:** The WT-004 functioning as a means to track an individual or object and to keep a constant overview of a group of individuals or objects within a confined area. Tracking could also be where an object is monitored and reported if absent from the monitored area.

- **Positioning:** The WT-004 functioning as a means to locate an individual or object and determine the objects position accurately.

- **Identification:** The WT-004 functioning as a means to authenticate the identity of individuals or objects.

- **Security:** The WT-004 functioning as access control, only allowing individuals with proper credentials to access restricted areas.



Technical specifications

Bluetooth™ Specifications

- Bluetooth™ standard V1.2 for software and hardware
- The Tag has a class 2 radio with a range up to 50 meters, which can be adjusted
- The Bluetooth™ Chip is BlueCore-02 from CSR.
- Internal antenna

Low Battery Detector

- The diagnostic information includes low battery warning

Light Emitting Diodes (LED)

- Red and green LED's for user information and Tag status

Power

- 3.7 V nominal 100mAh Lithium Ion Battery
- Estimated standby time (battery fully charged): 5 days.

Dimensions

- Height: 9 mm
- Width: 36 mm
- Length: 38 mm
- Weight: 11 g (including battery)
- Operating Temperature: - 20 to +60 degrees Celsius
- Charging Temperature: 0 to +40 degrees Celsius

Agency Listings:

Bluetooth SIG, FCC and CE Mark compliant

Desk charger for 60 tags.



Bluetooth™ facts:

Bluetooth™ is developed by Ericsson and is a short-range (up to 100 m.) wireless communications standard. Bluetooth™ is designed to communicate with devices such as mobile phones, PDA's, headsets, laptops. The Bluetooth Special Interest Group (SIG) has announced that the Bluetooth market has passed the impressive milestone of 9.5 million Bluetooth units shipping per week. In May 2005, the shipment figures were 4.75 million per week according to IMS Research and in September 2005 - only four months later - this figure had doubled, exceeding even the most optimistic analyst projections.

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