Bluetooth Wearable Watch development system with Digital display

MSP-WDS430BT2000D

Description

The Meta Watch is intended for product developers, and is not considered a consumer product.

Before ordering the Meta Watch, please review this forum thread for information regarding devices that connects with Meta Watch – as of today, the iPhone is not supported.

In addition, for support questions, please visit the Meta Watch online community.

Meta Watch is a wearable development system that enables rapid development of 'connected- watch' applications. With Meta Watch, developers can quickly and easily extend the interfaces of devices and applications to the wrist. The Meta Watch platforms utilize embedded *Bluetooth*® technology to connect to smartphones, mobile devices and other *Bluetooth* enabled devices. For support and complete information, visit www.metawatch.org.

This digital Meta Watch platform is based on the MSP430F5438A MSP430™ ultra-low -power microcontroller and CC2564 *Bluetooth* host controller solution from Texas Instruments Incorporated (TI).

The digital Meta Watch kit features:

- A great looking watch
- An easy-to-use *Bluetooth* enabled wearable development system
- Fully-tooled; production-ready modules with FCC, CE certification
- Stainless steel case
- Leather strap
- Water-resistant (3 ATM)
- Mineral crystal lens
- Vibrating motor
- Three-axis accelerometer
- Ambient light sensor
- 96x96 Dot Matrix Display - Highly Reflective; easily read in direct sunlight
- 6 Buttons
- Includes programming /charging clip & USB cable
- Ability to easily program through external clip & cable; no need to open watch
- Supports open source projects that support both CCS (Code Composer Studio) and IAR tool chains

The Meta Watch Embedded SDK features:

- Add your own thread to the watch for special functions
- Use the Meta Watch low-power application framework
- No need to open the watch for in- circuit debugging
- Uses TI SPI-BY-Wire
- Leverage the *Bluetooth* radio and remote protocol for communication
- Sample code which is an Open Source Android SDK project demonstrating watch connectivity to an Android phone. The project demonstrates watch idle screen use as well as notifications for: CallerID, SMS messages, alarms, calendar events, music control, email and IM.

Benefits:

- Meta Watch is a fully-tooled production unit which lowers the barrier to market entry
- As a development platform it allows users to create custom wearable applications
- *Bluetooth* technology allows connection to over 3 billion + *Bluetooth* devices in the market
- Freely available source example code allows for easy development
- Meta Watch community with forums, documentation and links to sample code