

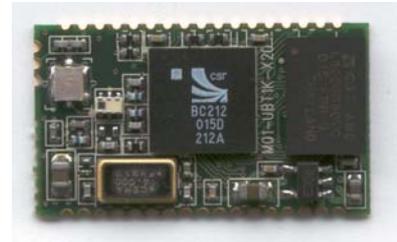
## Bluetooth™ module

The **BTM1000H** is a miniature device for use in embedded systems that provides short-range wireless connectivity between Bluetooth-enabled devices for applications such as file transfer, ad-hoc networking, device synchronization, peripheral connectivity and a bridge to the Internet.

The **BTM1000H** uses radio frequency, hence, voice and data are transmitted almost immediately. Bluetooth™ transmission not only ensures protection from interference, but also secures data transfers. It helps people share and access information that's important to them more easily.

The **BTM1000H** is a Class 1 Bluetooth module that features high power providing a communication range up to 100 meters.

Link your notebook with your handheld, mobile phone, printer and other Bluetooth™ devices within your personal area network (PAN) via a secure short-range wireless radio link. Get rid of all those troublesome cables and automatically share documents, browse the Internet and synchronize calendars, address books and more.



### FEATURES

- Fully compliant with Bluetooth Version 1.1.
- Uses 2.4 GHz ISM frequency band.
- High-speed Wireless Transmissions, up to 723 Kbps Data Throughput.
- Enable wireless connectivity between a notebook computer and other Bluetooth devices.
- High power Bluetooth radio provides a communication range of up to 100 meters.
- Provides a high degree of security for communications between Bluetooth devices.
- The very small Bluetooth module makes designing a Bluetooth-enabled product easily.



## SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| <b>Standards</b>                     | Bluetooth Version 1.1   |
| <b>Chipset</b>                       | CSR BlueCore 2 solution   |
| <b>Antenna</b>                       | Build in the card   |
| <b>Frequency Range</b>               | 2.4000-2.4835 GHz   |
| <b>Number of Selectable Channels</b> | 79 channels   |
| <b>RF Technique</b>                  | Frequency hopping spread spectrum(FHSS)   |
| <b>Security</b>                      | Data encryption up to 128-bits  |
| <b>Topology</b>                      | 8 devices,point-to-multipoint   |
| <b>Interface Signals Provided</b>    | <ul style="list-style-type: none"><li>▪ USB Interface signals(full-speed 12Mbps speed of USB spec. 1.1)</li><li>▪ UART interface signals</li><li>▪ PCM Codec interface signals</li></ul>  |
| <b>Output Power</b>                  | Output power meets Class 1(1mW-100mW) requirements  |
| <b>Sensitivity</b>                   | -75dBm  |
| <b>Range</b>                         | Devices connect for access and data sharing within ranges up to 320 feet (100 meters)   |
| <b>Power Consumption</b>             | Operating Voltage: 3.3V, 195mA (Max)  |
| <b>Physical Specifications</b>       | <ul style="list-style-type: none"><li>▪ Weight: 2 g</li><li>▪ Dimension: 25 (L) x 14.5 (W) mm</li></ul>   |
| <b>Environment Specifications</b>    | <ul style="list-style-type: none"><li>▪ Operating Temperature: 0~65°C ambient temperature</li><li>▪ Storage Temperature: -20~75°C ambient temperature</li><li>▪ Operating humidity: 95% maximum (non-condensing)</li><li>▪ Storage humidity: 95% maximum (non-condensing)</li></ul> |