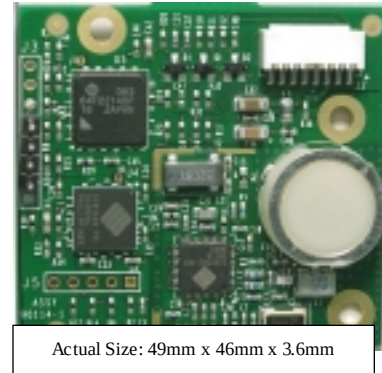


HP Bluetooth Module

Product Description

The Bluetooth module is compliant with Bluetooth Specification 1.1. The module is based on the Odyssey SiW 1502 Radio Modem and SiW 1602 Link Controller ICs developed by Silicon Wave, Inc. with a Hitachi H8 processor. An on board 8-pin connector provides UART and USB signals, also an access to RS232 interface. To complete a total Bluetooth solution, the module requires a host processor and Bluetooth stack software.



The module enables high quality wireless connections in a home, small office, or commuter environment. Users can experience robust transfer of data at maximum throughput. Transceiver enables data transfer in European style homes across a 10-meter space. The performance parameters and features are described below.

FEATURES:

Maximum Transmitter Power: < 4 dBm

Antenna peak gain: +4 dBi

Receiver Sensitivity: -80 dBm (raw BER 0.1% with any compliant transmitter)

Link control function implemented in hardware compliant to Bluetooth Specification 1.1.

USB (compliant to specification 1.1) interface to host computer system up to 12 Mbps.

UART core up to 1 Mbps.

Piconet and scatternet functions, including master/slave switch capabilities

Power Supply: 2.7V to 3.3V

8-Pin Connector:

- 1) Connector = AMP 215079-8 or equivalent.
- 2) Connector pin out =

1. USB D+
2. USB D-
3. Ground
4. Vsupply (3VDC)
5. UART CTS (Output)
6. UART RTS (Input)
7. UART TXD (Transmit Data Output)
8. UART RXD (Received Data Input)