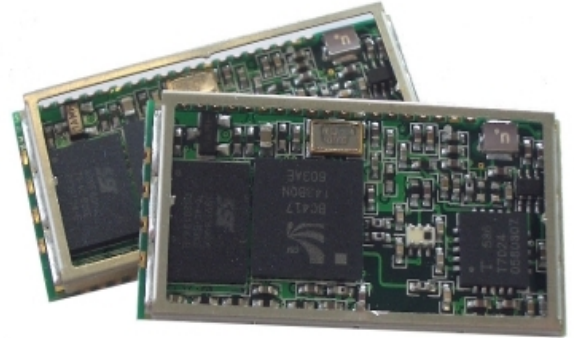




Bluetron™ BTR170



Key Features

- A small and cost effective Bluetooth® System
- Bluetooth® specification v2.0 +EDR compliant
- Class 1, up to 100-meter range
- Complete 2.4GHz Bluetooth® System including:
 - Hardware: Radio, Baseband and Crystal & Memory
 - Standard Firmware: HCI or RFCOMM stack
- Power management: low power 1.8V operation for Bluetooth® core
- Compact size: 30.12 mm x 15.00 mm x 2.80 mm
- Support multiple connections
- Surface mount module for embedded applications
- Several firmware options
- Rewritable flash memory for easy upgrade route
- Custom firmware production available



Description

The **Bluetron™ BTR170 module** from AvantWave is a complete Bluetooth® solution for fast implementation, cutting your time-to-market. It is a short-range, compact and cost effective radio/baseband module that can be implemented in any kind of electronic devices, such as access point, telephone gateway, serial port adaptor, etc.

In standard configuration the module includes a baseband processor with on board 8Mbit Flash memory, a radio front-end, antenna interface, supporting circuitry, together with some higher-level software protocols and applications such

as L2CAP, SDP, GAP and RFCOMM are resided in the Flash.

The **Bluetron™ BTR170 module** is a power class 1 Bluetooth® devices, and is in compliance with version 2.0 of the Bluetooth® specification. It is supplied with Bluetooth® protocol stack firmware which runs on the internal microprocessor. **Bluetron™ BTR170 module** is built on CSR BC04 External core with an 8Mbits Flash memory for firmware and application software storage.

Applications

- PDAs and other portable terminals
- Cable replacement between Bluetooth enabled devices
- Point-of-sales (POS) systems
- Telemetry and machine-to-machine devices
- Fitness and sports telemetry devices
- Industrial PCs and laptops
- Access Points
- Metering devices
- Home entertainment
- Digital cameras
- Dongles



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