



Device Overall Description

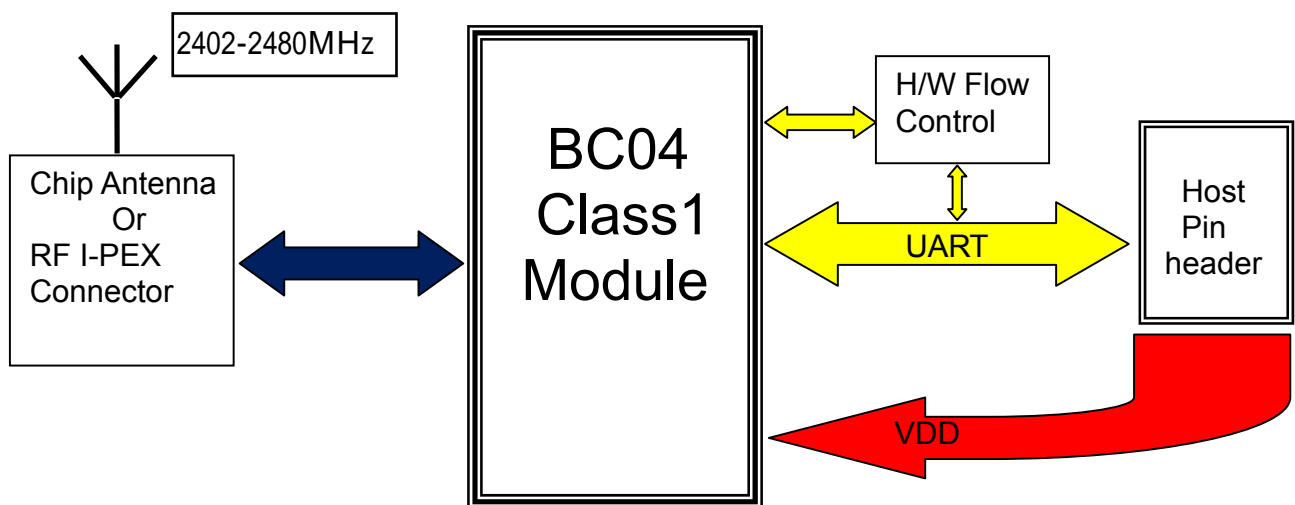
The BTM400 is designed to provide Bluetooth2.0 + EDR function on a small form factor. The Bluetooth function is based on CSR BlueCore4-Ext Bluetooth System, which implements the full speed class 1 Bluetooth operations with full 7 slave piconet support. The interface of BTM400 to host system is UART.

Bluetooth

Features

- CSR BlueCore4
- Bluetooth 2.0 + EDR support
- Full Speed Class 1 Bluetooth operation with full 7 slave piconet support
- Single onboard Antenna connector support (Optional)
- Chip antenna on board

Bluetooth Block Diagram



Modulation Methods

FHSS (Frequency Hopping Spread Spectrum) defined in Bluetooth Specification.

	Data Rate	Modulation scheme
Basic Data Rate	1 Mbps	GFSK
Enhanced Data Rate	2Mbps	$\pi/4$ – DQPSK
	3Mbps	8DPSK