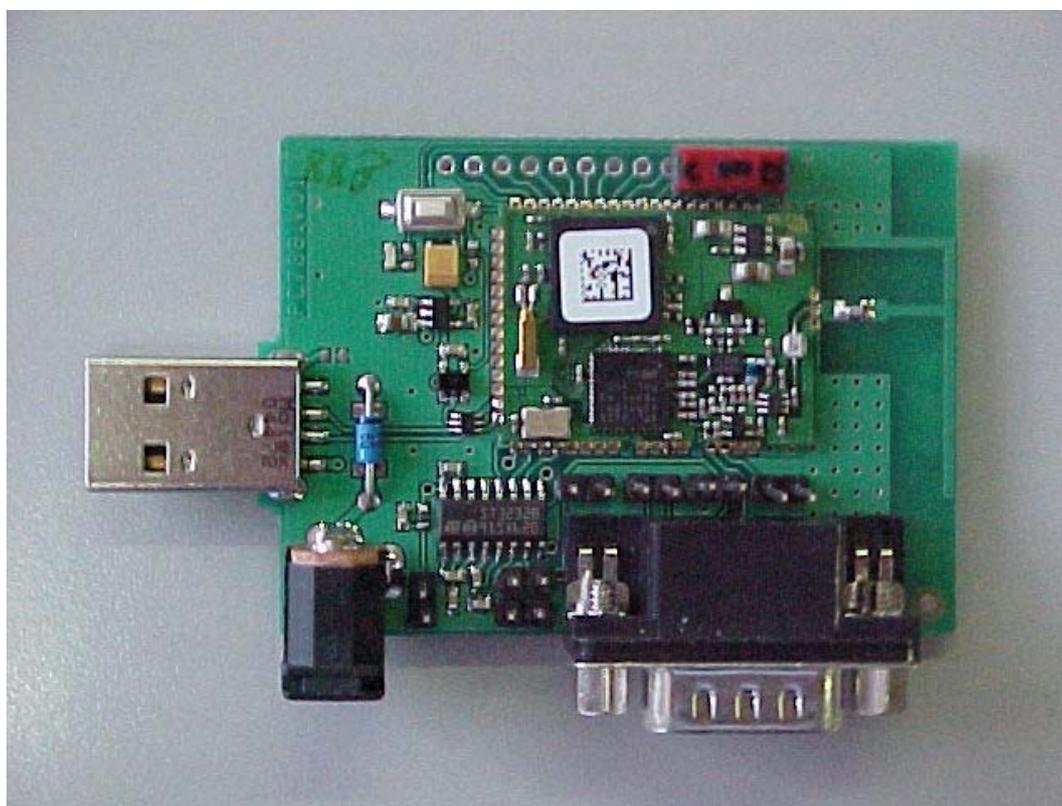




GS-BT2416C1AT1 DEMO BOARD

GS-BT2416C1DB.AT1

PRODUCT BRIEF REV 1



Ordering number : GS-BT2416C1DBAT1

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I Demoboard overview

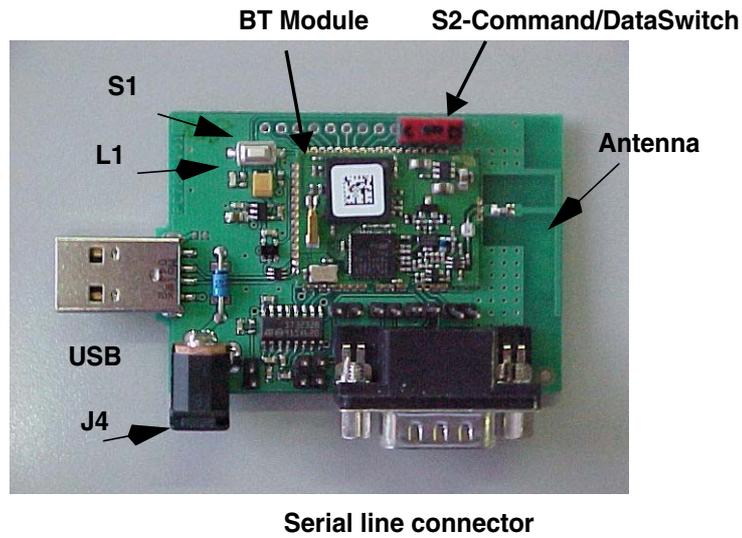
I.1 Generalities

GSBT2416C1DBAT1 is a simple Bluetooth Class1 demoboard ,including the RF antenna ,which allows the communication between Bluetooth systems by using simple AT commands.

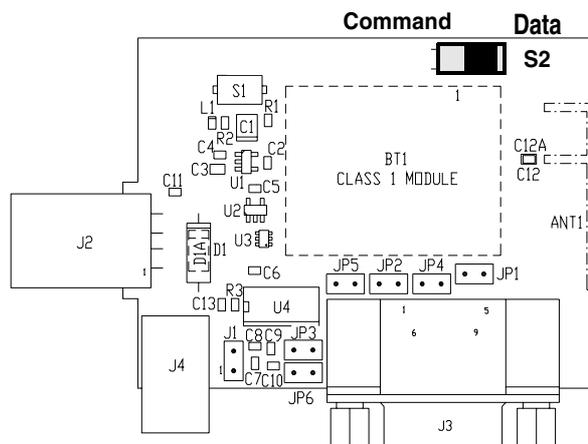
The communication is performed by means the serial line.

.2 Hardware

I.2.1 Board overview



I.2.2 Board layout



I.3 Connectors description

Signal		DESCRIPTION
J1	1	Boot: If connected to GND, the module can perform the downloading
J1	2	Reset: A low level on this pin force the module in the reset state. On the board a 100kohm/ 100 nF is present.
J2		USB Port Not to be connected . Not used in AT commands application .
J3		Serial line port (male connector) On the board is present a level translator to adapt the BT digital levels to the RS232 standard levels.
J4		5.5mm DC plug for 5 volt in (central pin = positive input) External Vcc: to be supplied when the serial line is used. A 5V must be applied to this plug ; on the board a 3.3V regulator is present to supply the BT module and the board itself. A diode is foreseen on the board to prevent a supply voltage inversion. When the USB port is used do not supply the 5V on this plug.
JP1		Boot If connected to GND (pins connected together), the module can perform the downloading
JP2		DB9 connector connection - See electrical drawing
JP3		DB9 connector connection - See electrical drawing
JP4		DB9 connector connection - See electrical drawing
JP5		DB9 connector connection - See electrical drawing
JP6		DB9 connector connection - See electrical drawing
S1		Normally Open switch connected to BT module GPIO6. When activated a low level is applied to GPIO6 , otherwise GPIO6 is at high level . Not used in AT command application
S2		Command / Data switch Connected to GPIO3 , used for Command / Data selection in AT command application. Used only in AT command applicatiopn.
L1		Led connected to BT module GPIO1.

I.5 Revisions

Date	Revision	Description of Changes
18 Oct 2006	Rev 1	First release

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