

## (CSR) Class 2/1 Module Data Sheet

### Bluetooth Module



Model	EBM001	EBM002	EBM006-0	EBM006-1
Bluetooth Specification V1.2	V1.2	V1.2	V1.2	V1.2
Chip Set	BC02-E	BC02-E	BC02-E	BC02-E
Compact size	26*14.5*2.5mm	26*14.5*2.5mm	20*14.5*2.5mm	20*14.5*2.5mm
Output interface	USB/UART/PCM/SPI	USB/UART/PCM/SPI	USB/UART/PCM/SPI	USB/UART/PCM/SPI
RF output power	class1 (+18dBm)	class2 (+3dBm)	class2 (+3dBm)	class2 (+3dBm)
receiving sensitivity	-88dBm	-88dBm	-80dBm	-80dBm
Supply Voltage	3.3V	3.3V	3.3V	1.8V
Output PIO / Input AIO	12PIO/2AIO	12PIO/2AIO	12PIO/2AIO	12PIO/2AIO
Operation Temperature	-40 ~ +85C	-40 ~ +85C	-40 ~ +85C	-40 ~ +85C
Storage Temperature	-40 ~ +125C	-40 ~ +125C	-40 ~ +125C	-40 ~ +125C
<b>Support V1.2 mandatory Functionality</b>				
Adaptive Frequency Hopping (AFH)	0	0	0	0
Faster connections	0	0	0	0
Flow and Flush timeout	0	0	0	0
LMP improvements	0	0	0	0
Parameter ranges	0	0	0	0
<b>Support optional V1.2 functionality</b>				
Extended SCO (eSCO), eV3 +CRC, eV4, eV5				
Scatter mode				
LMP Absence Masks, Quality of service and SCO handle	0	0	0	0
L2CAP flow and error control				
Synchronisation 1	0	0	0	0
	pin to pin compatible	pin to pin compatible	pin to pin compatible	pin to pin compatible