

## Bluetooth® BR/EDR module comparison chart

WT11

WT11i



### Bluetooth

	Bluetooth 2.1 + EDR	Bluetooth 2.1 + EDR
Version	Bluetooth 2.1 + EDR	Bluetooth 2.1 + EDR
Low energy support	-	-
BR/EDR support	Yes	Yes

### Radio

Typical TX power	+12dBm	+17 dBm
Typical RX sensitivity	-83 dBm	-85 dBm
Class	1	1
Typical range	100-300m	200-400m

### Antenna options

Integrated chip	Yes	Yes
Integrated meander line	-	-
U.FL	Yes	Yes
50ohm pin	Yes	Yes

### Interfaces

UART	1	1
USB	2.0 device	2.0 device
SPI (debugging)	1	1
GPIO	6 configurable	6 configurable
AIO	1 x 8-bit	1 x 8-bit

### Audio Interfaces

PCM	1	1
I2S	-	-
SPDIF	-	-
Analogue	-	-

### Microcontroller

Architecture	16-bit RISC (XAP2)	16-bit RISC (XAP2)
RAM	48 kB	48 kB
Flash	8 Mbit	8 Mbit

### Current consumption

TX	TBD	TBD
RX	TBD	TBD
Deep Sleep	TBD	TBD

### Operating voltage

Operating voltage	2.6 - 3.6V	2.6 - 3.6V
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### Copper plated edges

	No	Yes
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### Bluetooth stack features

Version	2.1 + EDR	2.1 + EDR
Integrated Bluetooth stack	Yes	Yes
Security Simple Pairing	Yes	Yes
Connections	1-7	1-7
Host API	ASCII commands / HCI	ASCII commands / HCI
HCI	Over UART/USB	Over UART/USB

### Supported profiles

SPP	Yes	Yes
OBEX OPP	Yes	Yes
OBEX FTP	Yes	Yes
DUN	Yes	Yes
HID	Yes	Yes
A2DP	-	-
AVRCP	Yes	Yes
HFP v.1.5	Yes	Yes
HSP	Yes	Yes
PBAP	Yes	Yes
HDP	Yes	Yes
DI	Yes	Yes
Apple iAP support	Yes	Yes
Over-the-Air configuration*	Yes	Yes
BGIO*	Yes	Yes

### Software development

On-board applications	Yes	Yes
Software development service	Yes	Yes
SDK/IDE	CSR BlueLab	CSR BlueLab

### Evaluation kits

Availability	Now**	Now
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### Production status

Samples	Now**	WT11i-A : now WT11i-E : Jan/2012
Mass production	Now**	WT11i-A: now WT11i-E : Mar/2012

### Certifications

Bluetooth	Yes	Yes
CE	Yes	Yes
FCC	Yes	Yes
IC	Yes	Yes

### Dimensions

Dimensions (W x L)	35.3 x 14.0 x 2.5mm	35.8 x 14.5 x 2.6 mm
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\*) Bluegiga proprietary

\*) End-of-Life announced 30.11.2011