

BLUEGIGA Bluetooth and Wi-Fi Modules and Devices



Bluegiga Wireless Solutions

BLE112 4.0 LOW ENERGY BLUETOOTH MODULE

Bluetooth Low Energy Modules are single mode devices targeted for low power sensors and accessories. Bluetooth Low Energy Modules offer all Bluetooth low energy features—radio, stack, profiles, and application space for customer applications—so an external processor is not needed.

RoHS Compliant This product is RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each				
								1	25	50	100	
603-BLE112-A	BLE112-A	A	4.0	2	Integrated	Ti CC2540	Low Energy	33.33	32.47	31.65	30.86	
USB Dongle								35.00	34.20	33.36	32.40	
603-BLED112	BLED112	B	4.0	2	Integrated	Ti CC2540	Low Energy	35.00	34.20	33.36	32.40	
Development Kit								Description				
603-DKBLE112	DKBLE112		4.0 Low Energy Bluetooth Development Kit fir BLE112 Module						375.64	-	-	-

WT41 LONG RANGE BLUETOOTH MODULE

WT41 is truly a long range Bluetooth module offering impressive 1,000 meters range between two WT41 Bluetooth modules. The module utilizes Bluegiga's sophisticated radio frequency design methodologies and offers OEM's a trouble free product even with tight integration with surrounding electronics.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each				
								1	25	50	100	
603-WT41-A-AI4	WT41-A-AI4	C	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 4.0.0	33.15	32.29	31.47	30.69	
Development Kit								Description				
603-EBWT41-A	EBWT41-A		WT41 Eval Board (one WT41 Eval Board, Onboard Installation Kit and serial cable)						235.00	-	-	-

WT32 BLUETOOTH AUDIO MODULE

WT32 is the latest generation of Bluetooth modules. It provides highest level of integration with integrated 2.4GHz radio, DSP, battery charger, stereo codec and antenna ready to hit mono and stereo applications. WT32 is also fully ready to support the latest Bluetooth 2.1 + EDR standard.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each				
								1	25	50	100	
603-WT32-A-AI4	WT32-A-AI4	D	2.1 + EDR	2	Chip Antenna	BlueCore-05 Multimedia	iWRAP 4.0.0	33.33	32.47	31.65	30.86	
603-WT32-A-AI3	WT32-A-AI3	D	2.1 + EDR	2	Chip Antenna	BlueCore-05 Multimedia	iWRAP 3.0.0	33.33	32.47	31.65	30.86	
603-WT32-E-AI3	WT32-E-AI3	D	2.1 + EDR	2	U.F.L Connector	BlueCore-05 Multimedia	iWRAP 3.0.0	33.33	32.47	31.65	30.86	
Development Kit								Description				
603-EBWT32-A	EBWT32-A		WT32 Evaluation Board (1 WT32 Evaluation Board, stereo headphones, Onboard Installation Kit and USB/serial cable)						325.00	-	-	-

WT21 BLUETOOTH HCI MODULE

WT21 is intended at Bluetooth applications where a host processor is capable of running the Bluetooth software stack. WT21 only implements the low level Bluetooth Host Controller Interface (HCI) but still offers advantages of a module - easy implementation and certifications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-WT21-A-HCI	WT21-A-HCI	E	2.1 + EDR	1	Chip Antenna	BlueCore-06	HCI	20.00	19.48	19.23	18.99

WT11 - CLASS 1 BLUETOOTH 2.1 +EDR MODULE



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each				
								1	25	50	100	
603-WT11-A-AI	WT11-A-AI	F	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 2.2	35.00	33.87	32.81	32.31	
603-WT11-A-AI3	WT11-A-AI3	F	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 3.0	35.00	33.87	32.81	32.31	
603-WT11-A-AI4	WT11-A-AI4	F	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 4.0	35.00	33.87	32.81	32.31	
603-WT11-E-AI4	WT11-E-AI4	F	2.1 + EDR	1	U.F.L Connector	BlueCore-04	iWRAP 4.0	35.00	33.87	32.81	32.31	
Development Kit								Description				
603-EBWT11-A	EBWT11-A		WT11-A Class 1 Bluetooth 2.1 + EDR Evaluation board						240.00	-	-	-

WT12 - CLASS 2 BLUETOOTH 2.1 + EDR MODULE

WT12 is a class 2, Bluetooth 2.1 + EDR module. It's a highly integrated Bluetooth module, containing all the necessary elements from Bluetooth radio to antenna, and a fully implemented iWRAP protocol stack.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each				
								1	25	50	100	
603-WT12-A-AI4	WT12-A-AI4	G	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 4.0.0	26.66	25.97	25.33	24.68	
603-WT12-A-AI3	WT12-A-AI3	G	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 3.0.0	26.66	25.97	25.33	24.68	
603-WT12-A-AI	WT12-A-AI	G	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 2.0.0	26.66	25.97	25.33	24.68	
Development Kit								Description				
603-EKWT12-A	EKWT12-A		WT12 Evaluation Kit (2 Evaluation Boards, power adapters, serial cable and Onboard Installation Kit for module re-flashing)						475.00	-	-	-
603-EBWT12-A	EBWT12-A		WT12 Evaluation Board (one WT12 Evaluation Board, power adapter and serial cable)						220.00	-	-	-

WF111 WI-FI RADIO MODULES

WF111 is a fully integrated single 2.4GHz band 802.11 b/g/n module for portable and battery powered applications, where Wi-Fi connectivity is needed.

Features:

- IEEE802.11b/g/n
- Max. Data Rate: 72.2Mbps
- Dimensions: 12 x 19 x 2.1mm
- SDIO Drivers for Linux 2.6 and 3.x kernels



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage (V)	Price Each						
						1	25	50	100			
603-WF111-A	WF111-A	H	Internal Antenna	SDIO, CSPI	1.8, 3.3	26.25	25.80	25.02	24.00			
603-WF111-E	WF111-E	-	External Antenna Connector	SDIO, CSPI	1.8, 3.3	26.25	25.80	25.02	24.00			
Development Board						Description						
603-DKWF111	DKWF111	I	SDIO Eval Board						228.57	-	-	-

WF121 WI-FI STAND ALONE MODULES

WF121 is a stand-alone Wi-Fi module providing fully integrated 2.4GHz 802.11 b/g/n radio and a 32-bit microcontroller (MCU) platform for embedded applications requiring simple, low-cost and low-power wireless TCP/IP connectivity, also providing flexible interfaces for connecting to various peripherals.

Features:

- IEEE802.11b/g/n
- Max. Data Rate: 72.2Mbps
- Dimensions: 15.4 x 26.2 x 2.1mm
- Embedded Bluegiga Wi-Fi Software



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage (V)	Price Each						
						1	25	50	100			
603-WF121-A	WF121-A	J	Internal Antenna	UART, USB	2.7-3.6	36.84	35.89	34.98	34.11			
603-WF121-E	WF121-E	-	External Antenna Connector	UART, USB	2.7-3.6	36.84	35.89	34.98	34.11			
Development Kit						Description						
603-DKWF121	DKWF121	K	Development Kit						416.06	-	-	-

EHEALTH EVALUATION BOARDS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Description	Price Each		
			1	3	5
603-EBWT41-A-EHEALTH	EBWT41-A-eHealth	802.15.1 Modules and Development Tools WT41-A Eval Board with HDP firmwr with IEEE Agents	499.00	400.80	380.80
603-EBWT12-A-EHEALTH	EBWT12-A-eHealth	802.15.1 Modules and Development Tools WT12-A Eval Board with HDP firmwr with IEEE Agents	499.00	400.80	380.80

