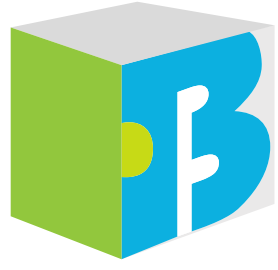


2024

**BEST MODULES
SELECTION GUIDE**



Company Profile

Best Modules, established in 2016, is headquartered in the Hsinchu Science Park in Taiwan, and is a wholly-owned subsidiary of Holtek which is a leading manufacturer of professional Micro-Controller IC design. Best Modules provides high-quality electronic modules to help electronics enthusiasts around the world complete their works more easily.

Product Categories

In addition to products from Holtek and related companies, including ICs, modules, a full range of Holtek MCU development boards, development tools, programmers and other items, Best Modules also provides various self-developed modules and sensors. The products currently on sale are provided with detailed documentation and example programs, and there are many demonstration videos to help you easily and quickly understand the product features.

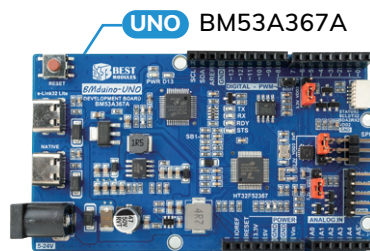
Marketing

Best Modules operates its own cross-border e-commerce websites with its sales range covering various countries and regions around the world, and has set up official stores on the Taiwan PChome and China mainland Taobao platforms, supporting a variety of payment methods and providing many convenient logistics options. Best Modules is constantly introducing the latest and greatest products to help you turn your creativity into reality.

Welcome to visit the official website of Best Modules for more information: www.bestmodulescorp.com



BMduino



The BMduino series includes UNO and Nano development boards, which are pin-compatible with Arduino UNO R3 and Nano. Based on the Holtek 32-bit Arm® Cortex®-M0+ MCU, the HT32F52367, they support Arduino and Keil® MDK. With superior operating frequency, memory size, execution efficiency, peripheral richness, and number of I/Os compared to Arduino, the BMduino offers significant advantages. Maintaining high Arduino compatibility, the BMduino leverages the resources of the HT32F52367 for enhanced performance. The provided BMCOM1 and BMCOM2 communication interfaces can connect to a series of Best Modules, increasing convenience of use.

	BMduino	Arduino
MCU & Core	HT32F52367 (64-pin LQFP) Arm® Cortex® M0+ 32-bit / 60MHz	ATmega328P (28-pin DIP) AVR 8-bit / 16MHz
Flash / EEPROM / SRAM	UNO: 256KB / 4KB / 32KB Nano: 256KB / -* / 32KB	32KB / 1KB / 2KB
Operation voltage	3.3V	5.0V
Programming	ICP / IAP	ICSP / IAP
DEV. Environment	Arduino / Keil	Arduino
Connector	UNO: BMCOM1 / BMCOM2 Nano: BMCOM2	—
Dimension	UNO: 54 × 94 mm Nano: 18 × 50 mm	UNO: 53.4 × 68.6 mm Nano: 18 × 45 mm

* In the Arduino IDE, the BM18B367A utilizes the last page of flash memory to simulate 1KB of EEPROM.

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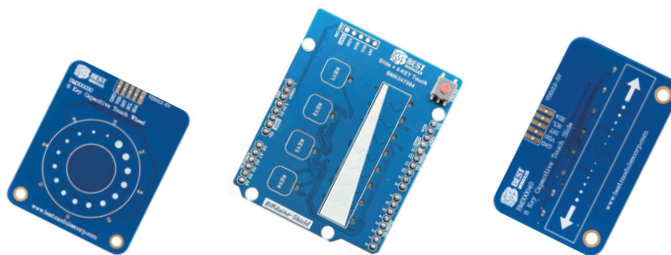
Input Module

Touch

These products are designed based on Holtek touch MCUs. After pressing a key, the corresponding LED will be illuminated. The products feature with independently configurable sensitivity keys and power saving function.



Arduino	BMK52T016	–	BMK52M134	BMK22M131	BMK56T004
Solution Module	–	BMS00010	BMS00020	–	–
Function	16-Key	2-Key	4-Key	1-Key + LED	4-Key + Wheel
Type	Shield	Module	Module	Module	Shield
Operating Voltage	2.5V ~ 5.5V	2.5V ~ 5.0V	2.5V ~ 5.5V 2.2V ~ 5.0V	3.0V ~ 5.5V	2.5V ~ 5.5V
Sensitivity	Configurable (55 levels)	Configurable	Configurable	Not Configurable	Configurable (55 levels)
Interface	I ² C	I ² C	I ² C	I ² C	I ² C
Dimension (mm)	67 x 53 x 11	38.4 x 38.4 x 3	33.8 x 38.6 x 6.5	29.6 x 25.7 x 11.9	67 x 53 x 11



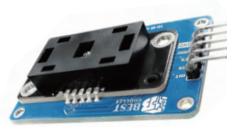
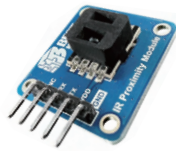
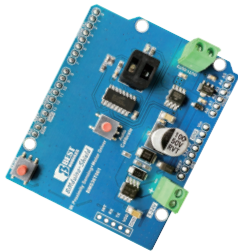
Arduino	–	BMK54T004	–
Solution Module	BMS00030	–	BMS00040
Function	Wheel	4-Key + Slider	Slider
Type	Module	Shield	Module
Operating Voltage	2.2V ~ 5.0V	2.5V ~ 5.5V	2.2V ~ 5.0V
Sensitivity	Configurable	Configurable (55 levels)	Configurable
Interface	I ² C	I ² C	I ² C
Dimension	55 x 66 x 3 mm	67 x 54 x 11 mm	41 x 66 x 3 mm



Input Module

Gesture

With the infrared detection technology, these products are suitable for gesture recognition products, identifying the left swipe, right swipe and approaching gestures. They also offer distance learning function.



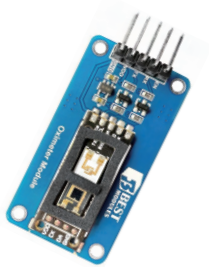
Arduino	BMS36T001	BMS31M001	BMS31M002	-	-
Solution Module	-	BM32S2031-1	-	BM32S3031-1	BM32S4021-1
Function	Proximity Sensing + Driver	Proximity Sensing	1D Gesture Recognition + Proximity Sensing	1D Gesture Recognition + Proximity Sensing	2D Gesture Recognition
Type	Shield	Module	Module	Module	Module
Operating Voltage	3.0V ~ 5.5V	3.0V ~ 5.5V	3.0V ~ 5.5V	3.0V ~ 5.5V	3.0V ~ 5.5V
Sensing Range	1 ~ 100cm	1 ~ 100cm	Z axis: 5 ~ 25cm X axis: ±7.5cm	Z axis: 1 ~ 25cm X axis: ±7.5cm	Z axis: 1 ~ 25cm X axis: ±4.0cm
Interface	UART	UART	UART	UART	UART
Dimension (mm)	67 x 53 x 17	27 x 23 x 10	48 x 31 x 10	30 x 8 x 10.5	20 x 20 x 7.6



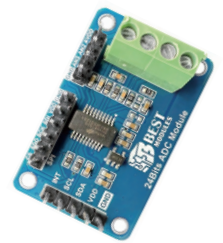
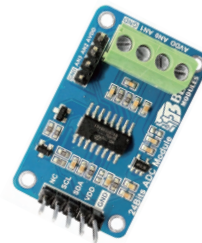
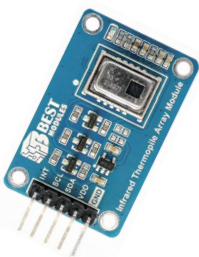
Sensor Module

Healthcare

This series of modules are suitable for healthcare products. They provide digital output of measurement results, and users can directly read data via the communication interfaces.



Arduino	BMH83M002	BMH63K203	-	-	-
Solution Module	BMH08002-4	BMH06203-41	BMH06203-31	BMH06203-32	BMH06203-42
Function	Oximeter & Heart Rate	Infrared Thermometer	Infrared Thermometer	Infrared Thermometer	Infrared Thermometer
Type	Module	Module	Module	Module	Module
Operating Voltage	3.3V ~ 5.5V	2.6V ~ 5.5V	2.6V ~ 5.5V	2.6V ~ 5.5V	2.6V ~ 5.5V
Measurement Range	SpO2: 70% ~ 99% HR: 30BPM ~ 250BPM PI: 0.5% ~ 25%	0°C ~ 100°C FOV: 108°	0°C ~ 100°C FOV: 36°	-40°C ~ 300°C FOV: 36°	-40°C ~ 300°C FOV: 108°
Interface	UART	I ² C/PWM/IO	I ² C/PWM/IO	I ² C/PWM/IO	I ² C/PWM/IO
Dimension (mm)	43.7 x 23.9 x 7.5	18.3 x 10 x 8.8	19 x 11 x 11	19 x 11 x 11	18.3 x 10 x 8.8

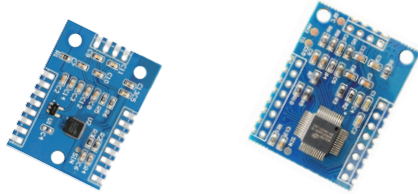


Arduino	BMS26M833	-	Arduino	BMH23M001	BMH23M002
Solution Module	-	BM42S3021-1	Solution Module	-	-
Function	IR Array Sensor (Sensor: AMG8833)	Thermocouple	Function	24-bit ADC	24-bit ADC
Operating Voltage	3.3V ~ 5.5V	2.6V~5.5V	Type	Module	Module
Measurement Range	0°C ~ 80°C	-270°C ~ 1370°C	Operating Voltage	3.3V ~ 5.5V	3.3V ~ 5.5V
Resolution	0.25°C	0.1°C	ENOB	21.9 (Max.)	22.8 (Max.)
Interface	I ² C	I ² C	Interface	I ² C	I ² C / SPI
Dimension (mm)	36 x 23.3 x 7.4	29.1 x 15 x 14.2	Dimension (mm)	39 x 25 x 12	39 x 25 x 12

Sensor Module

Healthcare

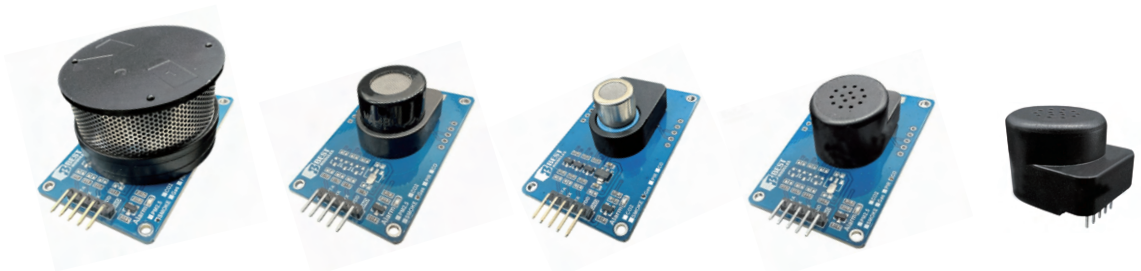
This series of modules are suitable for healthcare products. They provide digital output of measurement results, and users can directly read data via the communication interfaces.



Arduino	-	-
Solution Module	BMH05102	BMH05104
Function	Weight + Heart Rate + Body Fat	Weight + Body Fat
Type	Module	Module
Operating Voltage	3.3V ~ 5.5V	2.8V ~ 5.5V
Electrode	4-electrode	8-electrode
Interface	UART	SPI / I ² C
Dimension (mm)	25 x 36 x 2	35 x 26 x 2

Security

This series includes various types of gas sensors suitable for applications such as fire safety. The measurement results are all digital outputs, which can be directly read via a communication interface.



Arduino	BMA26M202	BMA36M302	BMA36M303	BMA56M322	BMA34M421
Solution Module	BM22S2021-1	BM22S3021-1	BM22S3031-1	BM22S3221-1	BM22S3421-1
Function	Smoke Detector	Gas Detector	Gas Detector	CO Detector	Alcohol Detector
Type	Module	Module	Module	Module	Module
Operating Voltage	3.0V ~ 5.5V	4.9V ~ 5.1V 5V	3.0V ~ 3.6V 2.5V	2.5V ~ 5.0V	3.0V ~ 5.0V
Sensing Range	0.1 ~ 0.8dB/m	300~ 10000ppm	500~ 10000ppm	3 ~ 1000ppm	0 ~ 400ppm
Interface	UART	UART	UART	UART	UART
Dimension (mm)	53.9 x 33.9 x 30	53.9 x 33.9 x 21.5	53.9 x 33.9 x 21.1	53.9 x 33.9 x 20	24 x 20 x 20



Sensor Module

Security

This series includes various types of gas sensors suitable for applications such as fire safety. The measurement results are all digital outputs, which can be directly read via a communication interface.



Arduino	BMA46M422	BMA26M221	-	-	-
Solution Module	BM22S4221-1	BM22S4021-1	BM22S4022-1	BM22S4023-1	BM22S4024-1
Function	PIR Sensor	PIR Sensor	PIR Sensor	PIR Sensor	PIR Sensor
Type	3.0V ~ 5.5V 2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Operating Voltage	13.2m	3m	4m	4m	10m
FOV (H/V)	122° / 106°	121° / 77°	86° / 75°	91° / 10°	10° / 20°
Interface	UART	UART	UART	UART	UART
Dimension (mm)	53.9 x 33.9 x 29.5	26.8 x 23.3 x 10.9	Φ12	Φ10	Φ10.1



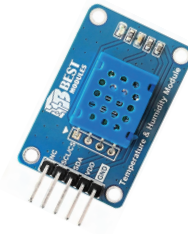
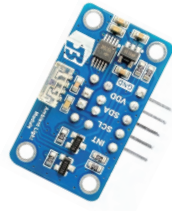
Arduino	-
Solution Module	BM22S4421-1
Function	Microwave Radar
Operating Voltage	4.0V ~ 12V
Sensing Distance	5 ~ 14m
Sensing Angle	360°
Interface	UART
Dimension (mm)	20.5 x 20 x 2.8



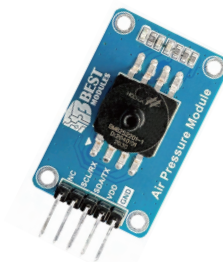
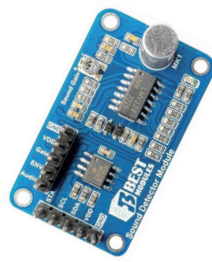
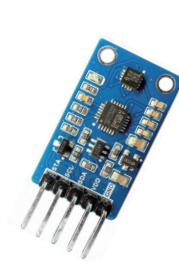
Sensor Module

Environment

This series is suitable for measuring various environmental factors such as light, temperature, and gases. The measurement results are all digital outputs, which can be directly read via a communication interface.



Arduino	BMS33M332	BME82M131	Arduino	BME33M251
Solution Module	—	—	Solution Module	BM25S2021-1
Function	Proximity & Ambient Light	Ambient Light	Function	Temperature & Humidity
Sensor	STK3337-X	VEML7700	Type	Resistive
Operating Voltage	3.3V ~ 5.5V	3.3V ~ 5.5V	Operating Voltage	2.7V ~ 5.5V
Resolution	16-bit	16-bit	Accuracy	±3%RH / ±0.5°C
Interface	I ² C	I ² C	Interface	I ² C / One-wire
Dimension (mm)	27 x 23 x 2	29.5 x 17 x 8.4	Dimension (mm)	36 x 23 x 9

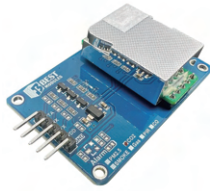


Arduino	BMS81M001	BMV23M001	Arduino	BME21M621
Solution Module	—	—	Solution Module	BM62S2201-1
Function	Shake Detector	Sound Detector	Function	Air Pressure Sensor
Sensor	MPU-6050	LMV324	Operating Voltage	2.7V ~ 5.5V
Operating Voltage	3.3V ~ 5.5V	3.0V ~ 5.5V	Sensing Range	0 ~ 1psi (68.95hPa)
Sensitivity	1 ~ 255mg	-36dB	Resolution	0.001psi
Interface	I ² C	I ² C	Interface	I ² C / UART
Dimension (mm)	28 x 16.5 x 7	41 x 23.9 x 11.5	Dimension (mm)	48 x 31 x 10

Sensor Module

Environment

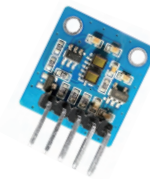
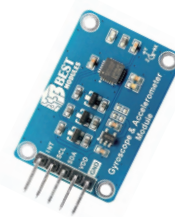
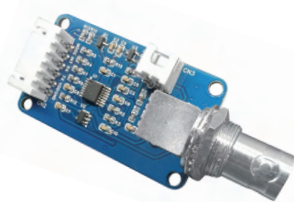
This series is suitable for measuring various environmental factors such as light, temperature, and gases. The measurement results are all digital outputs, which can be directly read via a communication interface.



Arduino	BME25K322	BME58M332	BME53M421	BME63M001	BME34M101
Solution Module	BM25S3221-1	BM25S3321-1	BM25S3421-1	BM25S4021-1	BM25S2621-1
Function	Dust Detector	CO2 Detector	VOC Detector	TDS	Capacitive Soil Moisture Detection
Operating Voltage	4.8V ~ 5.5V	4.9V ~ 5.1V	3.0V ~ 5.0V	3.3V ~ 5.5V	3.3V ~ 5.5V
Sensing Range	0 ~ 1000µg/m³	400 ~ 5000ppm	0 ~ 10ppm	0 ~ 5000 ppm	0 ~ 75%
Resolution	1µg/m³	1ppm	AD Values Output	0.1 ~ 25ppm	1%
Interface	UART	UART / PWM	UART / STATUS	UART	UART
Dimension (mm)	48 x 40 x 12	53.9 x 33.9 x 17.1	24 x 20 x 20	32.1 x 34.1 x 10	125.1 x 19.2 x 2.6

Movement

Distance



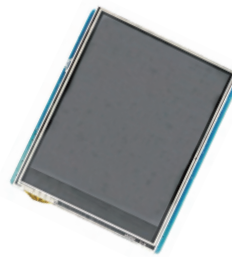
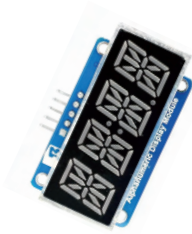
Arduino	-	Arduino	BMS56M605	BML36M001	BML36K532
Solution Module	BM25S4421-1	Solution Module	-	-	BM42S5321-1
Function	pH Value	Function	Gyroscope & Accelerometer	Time of Flight Ranging	Time of Flight Ranging
Operating Voltage	3.0V ~ 5.5V	Sensor	MPU-6050	VL53L1X	VL53L1X MCU: HT66F2050
Measurement Range	pH0.00 ~ pH14.00	Operating Voltage	3.3V ~ 5.5V	3.1V ~ 5.5V	3.0V ~ 5.5V
Accuracy	±0.1	Sensing Range	X / Y / Z axis	40~ 4000mm	40~ 4000mm
Interface	UART / I²C	Interface	I²C	I²C	I²C / UART
Dimension (mm)	65.6 x 27.9 x 18.3	Dimension (mm)	36 x 23.3 x 7.4	19.6 x 18.2 x 7.5	23 x 15 x 9



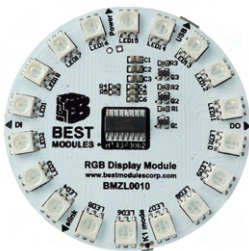
Output Module

Display

Product information can be displayed to a variety of displays from monochrome to full color through different interfaces, and the TFT-LCD display panel also has touch function.



Arduino	BMD31M090	BMD11M134	BMD58T280	-
Solution Module	-	-	-	BM32D4021-1
Function	0.96 inch OLED	4-digit Alphanumeric	2.8 inch TFT LCD	2.8 inch TFT LCD
Operating Voltage	3.3V ~ 5.5V	3.3V ~ 5.5V	3.3V ~ 5.5V	3.3V ~ 5.5V
Color	Black & White	Black & White	Colorful	Colorful
Resolution	128 x 64	- (14-segment)	240 x 320	240 x 320
Interface	I ² C	I ² C	SPI / EBI	USART
Dimension (mm)	37 x 23 x 8	40.5 x 26.7 x 15	55 x 70 x 16	51 x 77.2 x 11



Arduino	-	BMD26M088
Solution Module	BMZL0010	-
Function	RGB LED	RGB LED
Operating Voltage	3.6V ~ 5.5V	2.7V ~ 5.5V
Cascade	Up to 8	Up to 4
LED Amount	18	64 (8 x 8)
Interface	One-wire	I ² C
Dimension (mm)	Φ60	54 x 36 x 8



Output Module

Audio

This series is suitable for playing audio. We provide development platforms, and users can edit and download audios easily. The edited audio can also be directly played by external speakers.



Arduino	BMV31T001	-	-
Solution Module	-	BM72D3021-1	BM72D3041-1
Function	Voice Playback	Voice Playback	Voice Playback
Operating Voltage	5.0V	2.3V ~ 5.5V	2.3V ~ 5.5V
Flash Memory	16Mbit	16Mbit	32Mbit
Development Platform	V	V	V
Interface	One-wire / SPI	SPI	SPI
Dimension (mm)	67 x 53.4 x 23	15 x 10 x 2	15 x 10 x 2

Driver

The motor drive modules support four driver functions, forward, reverse, brake, and standby. It can also control two-phase four-wire stepper motors for precise performance.



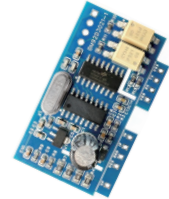
Arduino	BMP73T102	BMP73T104	BMP75M131
Solution Module	-	-	-
Function	2-channel Motor Driver	4-channel Motor Driver	Relay
Operating Voltage	5V ~ 24V	5V ~ 24V	3.0V ~ 5.5V
Type	Shield	Shield	Module
Max. Current	2.4A	4.0A	7A
Interface	I/O	I ² C	I ² C
Dimension (mm)	67 x 53.4 x 23.2	67 x 53.4 x 23.2	50.2 x 29.5 x 20



Output Module

Driver

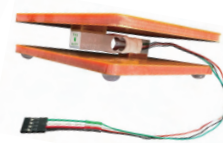
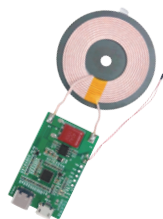
This series complies with the DALI-2 standard and provides a wide operating voltage range of 7V~30V. They are suitable for DALI LED constant voltage/current drivers.



Arduino	-	-	-	Arduino	-
Solution Module	BM82D8011-1	BM82D8021-1	BM82D8022-1	Solution Module	BM92D3021-1
IEC 62386	101/102/207	101/102/207/209	101/102/207/209	Function	Rolling Gate AC Motor Obstruction Detection
Device Type	DALI-2 DT6	DALI-2 DT6/DT8(Tc)	DALI-2 DT6/DT8(Tc)	Operating Voltage	Non-isolated: 10V~20V Isolated: 3V~5.5V
PWM Output Port	1 (Monochrome)	2 (Bicolor)	2 (Bicolor)	Sensitivity	Configurable (0~255)
PWM Freq./Res.	1KHz / 0.1%	1KHz / 0.1%	1KHz / 0.1%	Response Time	0.5 second (Min.)
Secondary Development	O (Max. ROM occupied: 64%)	X (Max. ROM occupied: 98%)	O (Max. ROM occupied: 46%)	Interface	UART
Dimension (mm)	40 x 17 x 6.5	40 x 17 x 6.5	40 x 17 x 6.5	Dimension (mm)	42 x 25 x 9

Power

Weighing



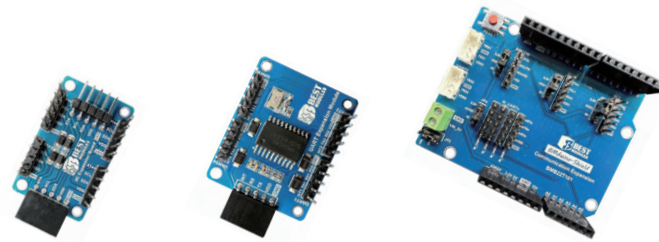
Arduino	-	Arduino	-	Arduino	-
Solution Module	CYD8012	Solution Module	BMH01220	Solution Module	BMH12M205
Function	Wireless Charging	Function	Weighing	Function	Weighing
Output power	10W	Type	Module	Type	Module
Qi Standard	WPC1.2.4	Operating Voltage	2.6V ~ 5.5V	Operating Voltage	2.6V ~ 5.5V
Principle	Magnetic Induction	Measurement Range	0 ~ 20kg	Measurement Range	0 ~ 5kg
Max. Charging Distance	7 mm	Interface	I ² C / UART	Interface	UART
Dimension (mm)	47 x 23 x 4	Dimension (mm)	22 x 16 x 2	Dimension (mm)	120 x 120 x 30.7



Output Module

Communication

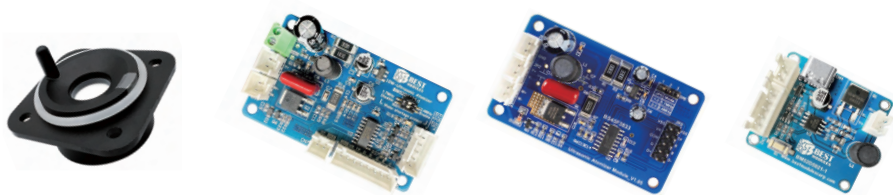
This series products provide UART, I²C interfaces expansion and conversion functions to offer sufficient communication interfaces between the BMduino development board and other modules.



Arduino	BMB22M101	BMB22M210	BMB22T101
Solution Module	-	-	-
Function	I ² C Expansion	UART Expansion	Communication Expansion
Type	Module	Module	Shield
Interface	I ² C	UART	I ² C / UART
Expansion	I ² C : 1 → 4	UART : 1 → 4	One-wire UART x 2 / I ² C x 2 BMCOM x 1 / UART x 4
Dimension (mm)	37 x 24 x 13	47 x 31 x 12	67 x 53.4 x 16.8

Household

This series is suitable for household devices. The atomizer module can be used as a humidifier, fragrance diffuser, and for advanced applications in the performing arts field.



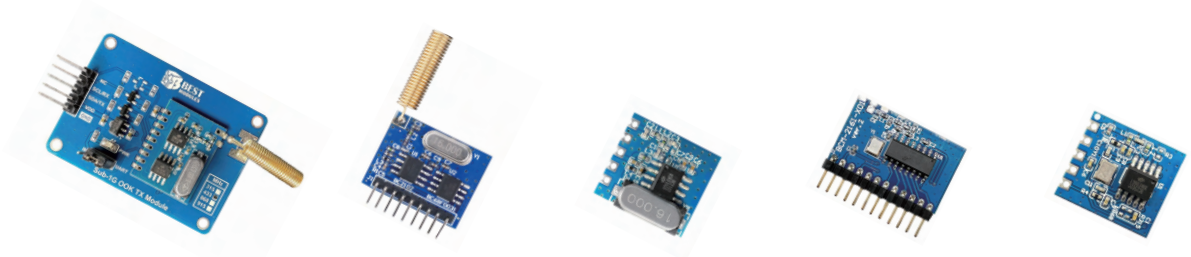
Arduino	BMN31K522	BMN31K512	-	BMN31K502
Solution Module	BM52O5221-1	BM52D5121-1	BMZ00040	BM52D5021-1
Function	Water Atomization	Water Atomization	Water Atomization	Water Atomization
Operating Voltage	24V	18V ~ 26.5V	24V	5.0V
Max. Power	16W	10W	10W	2W
Frequency	1.7MHz	1.7MHz / 2.4MHz	1.7MHz / 2.4MHz	108kHz
Interface	UART	UART	One-wire	UART
Dimension (mm)	55 x 55 x 36.8	65.3 x 39.2 x 14	62 x 37 x 30	36.1 x 32 x 15.5



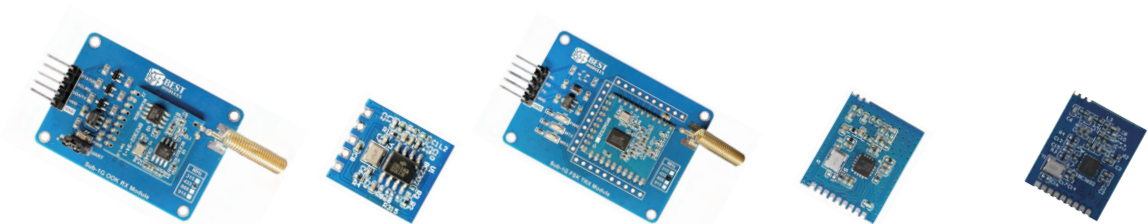
Wireless Module

Sub-1GHz

Sub-1GHz supports various frequency bands worldwide and can be applied in various products requiring wireless communication, such as garage doors, wireless doorbells, and remote controllers.



Arduino	BMC21M041	–	–	–	–
Solution Module	–	BCM-2102-X03	BCM-2102-X10	BCM-2161-X01	BM2502-6x-2
Frequency Band	433MHz	315 / 433MHz 868 / 915MHz	315 / 433MHz 868 / 915MHz	315 / 433MHz 868 / 915MHz	315 / 433MHz 868 / 915MHz
Operating Voltage	3.0V ~ 5.5V	2.2V ~ 3.6V	2.2V ~ 3.6V	2.2V ~ 3.6V	2.4V ~ 5.5V
Type	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Modulation	OOK	OOK	OOK	OOK / GFSK	OOK / FSK
Interface	I ² C / UART	I ² C / UART	I ² C	I ² C	I ² C
Dimension (mm)	50 x 35.3 x 12	18 x 22 x 10	16.5 x 15 x 3	25 x 15 x 2	16 x 15 x 2.6



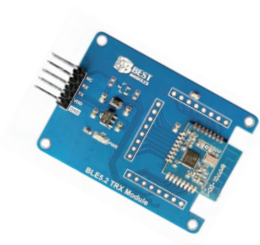
Arduino	BMC23M041	–	BMC36M041	–	–
Solution Module	–	BM2302-6x-2	BM36C5214-0	BM3603-0x-1	BM3602-0x-1
Frequency Band	433MHz	315 / 433MHz 868 / 915MHz	433MHz	315 / 433MHz 868 / 915MHz	315 / 433MHz 868 / 915MHz
Operating Voltage	3.0V ~ 5.5V	2.4V ~ 5.5V	3.3V ~ 5.5V 1.9V ~ 3.6V	1.8V ~ 3.6V	2.0V ~ 3.6V
Type	Receiver	Receiver	Transceiver	Transceiver	Transceiver
Modulation	OOK	OOK	GFSK	OOK / GFSK	FSK / GFSK
Interface	I ² C / UART	I ² C	UART I ² C / UART / SPI	SPI	SPI
Dimension (mm)	50 x 35.3 x 12	16 x 15 x 2.6	55.7 x 40.7 x 5.5	15 x 18.5 x 2.6	15 x 18.5 x 2.5



Wireless Module

Bluetooth

The Bluetooth modules include low-power feature and are compatible with FCC/ETSI standards. It provides an app for users to evaluate products' functions conveniently.



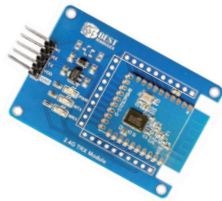
Arduino	BMC77M001	—	Arduino	—	—
Solution Module	BM7701-00-1	BM67C741-1	Solution Module	BM7262-00-1	BM7161-00-1
Bluetooth Version	5.2	5.2	Type	Beacon	Beacon
Operating Voltage	3.3V ~ 5.5V 2.0V ~ 3.6V	2.0V ~ 3.6V	Operating Voltage	1.9V ~ 3.6V	2.0V ~ 3.6V
Max. TX Power	+3.5dBm	+3.5dBm	Max. TX Power	-10 ~ +7dBm	-10 ~ +8dBm
RX Sensitivity	-94dBm	-94dBm	RX Sensitivity	-93dBm	—
Interface	UART	UART	Interface	I ² C	I ² C
Dimension (mm)	55.7 x 40.7 x 7.5	24 x 20 x 1	Dimension (mm)	15.2 x 12 x 1	15.2 x 12 x 1



Wireless Module

2.4GHz

Compared to the Sub-1GHz series, this series offers higher data transmission rates, making it suitable for applications requiring the transfer of large amounts of data.



Arduino	BMC56M001	—
Solution Module	BM56C5210-0	BM5602-60-1
Frequency Band	2402MHz ~ 2480MHz	2402MHz ~ 2480MHz
Operating Voltage	3.3V ~ 5.5V 1.9V ~ 3.6V	1.9V ~ 3.6V
Max. TX Power	7dBm	7dBm
RX Sensitivity	-98dBm	-98dBm
Interface	UART	SPI
Dimension (mm)	55.7 x 40.7 x 7.5	17 x 16 x 2

NFC

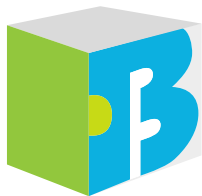
WiFi



Arduino	BMC11T001	Arduino	BMC81M001
Solution Module	—	Solution Module	—
Operating Voltage	3.3V ~ 5.0V	Module	ESP-12F
Operating Current	142mA	Operating Voltage	3.0V ~ 5.5V
Protocol	ISO14443A/B ISO15693	Protocol	802.11b/g/n
Supported Tag	Type 2 Tag / Mifare ST25TB512	Frequency Band	2400MHz ~ 2483.5MHz
Interface	UART	Interface	UART
Dimension (mm)	129 x 52 x 23	Dimension (mm)	55 x 35.3 x 7.5

BCM-2102-X03	—————	p.15	BM56C5210-0	—————	p.17
BCM-2102-X10	—————	p.15	BM62S2201-1	—————	p.9
BCM-2161-X01	—————	p.15	BM67C741-1	—————	p.16
BM22S2021-1	—————	p.7	BM7161-00-1	—————	p.16
BM22S3021-1	—————	p.7	BM7262-00-1	—————	p.16
BM22S3031-1	—————	p.7	BM72D3021-1	—————	p.12
BM22S3221-1	—————	p.7	BM72D3041-1	—————	p.12
BM22S3421-1	—————	p.7	BM7701-00-1	—————	p.16
BM22S4021-1	—————	p.8	BM82D8011-1	—————	p.13
BM22S4022-1	—————	p.8	BM82D8021-1	—————	p.13
BM22S4023-1	—————	p.8	BM82D8022-1	—————	p.13
BM22S4024-1	—————	p.8	BM92D3021-1	—————	p.13
BM22S4221-1	—————	p.8	BMA26M202	—————	p.7
BM22S4421-1	—————	p.8	BMA26M221	—————	p.8
BM2302-6x-2	—————	p.15	BMA34M421	—————	p.7
BM2502-6x-2	—————	p.15	BMA36M302	—————	p.7
BM25S2021-1	—————	p.9	BMA36M303	—————	p.7
BM25S3221-1	—————	p.10	BMA46M422	—————	p.8
BM25S3321-1	—————	p.10	BMA56M322	—————	p.7
BM25S3421-1	—————	p.10	BMB22M101	—————	p.14
BM25S4021-1	—————	p.10	BMB22M210	—————	p.14
BM25S4421-1	—————	p.10	BMB22T101	—————	p.14
BM25S2621-1	—————	p.10	BMC11T001	—————	p.17
BM32D4021-1	—————	p.11	BMC21M041	—————	p.15
BM32S2031-1	—————	p.5	BMC23M041	—————	p.15
BM32S4021-1	—————	p.5	BMC36M041	—————	p.15
BM3602-0x-1	—————	p.15	BMC56M001	—————	p.17
BM3603-0x-1	—————	p.15	BMC77M001	—————	p.16
BM36C5214-0	—————	p.15	BMC81M001	—————	p.17
BM42S3021-1	—————	p.6	BMD11M134	—————	p.11
BM42S5321-1	—————	p.10	BMD26M088	—————	p.11
BM52D5021-1	—————	p.14	BMD31M090	—————	p.11
BM52D5121-1	—————	p.14	BMD58T280	—————	p.11
BM52O5221-1	—————	p.14	BME21M621	—————	p.9
BM5602-60-1	—————	p.17	BME25K322	—————	p.10

BME33M251	—————	p.9	BMS00040	—————	p.4
BME34M101	—————	p.10	BMS26M833	—————	p.6
BME53M421	—————	p.10	BMS31M001	—————	p.5
BME58M332	—————	p.10	BMS31M002	—————	p.5
BME63M001	—————	p.10	BMS33M332	—————	p.9
BME82M131	—————	p.9	BMS36T001	—————	p.5
BMH01220	—————	p.13	BMS56M605	—————	p.10
BMH05102	—————	p.7	BMS81M001	—————	p.9
BMH05104	—————	p.7	BMV23M001	—————	p.9
BMH06203-31	—————	p.6	BMV31T001	—————	p.12
BMH06203-32	—————	p.6	BMZ00040	—————	p.14
BMH06203-41	—————	p.6	BMZL0010	—————	p.11
BMH06203-42	—————	p.6	CYD8012	—————	p.13
BMH08002-4	—————	p.6			
BMH12M205	—————	p.13			
BMH23M001	—————	p.6			
BMH23M002	—————	p.6			
BMH63K203	—————	p.6			
BMH83M002	—————	p.6			
BMK22M131	—————	p.4			
BMK52M134	—————	p.4			
BMK52T016	—————	p.4			
BMK54T004	—————	p.4			
BMK56T004	—————	p.4			
BML36K532	—————	p.10			
BML36M001	—————	p.10			
BMN31K502	—————	p.14			
BMN31K512	—————	p.14			
BMN31K522	—————	p.14			
BMP73T102	—————	p.12			
BMP73T104	—————	p.12			
BMP75M131	—————	p.12			
BMS00010	—————	p.4			
BMS00020	—————	p.4			
BMS00030	—————	p.4			



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