



Shenzhen Feasycom Technology Co.,LTD

FSC-BP101Y

USB dongle

Datasheet Version 3.2

Features

- Bluetooth 5.0 Classical/BLE Proprietary double-mode RF SOC
- UART programming and data interface (baudrate can up to 921600bps)
- I2C/USB interfaces
- Digital Peripherals
 - Two-wire Master (I2C compatible) , up to 400kbps
 - LED drive capability
 - AES256 HW encryption
 - USB2.0 fullspeed,4Eps, support host mode
- Dual Core Digital Architecture
 - ARM Cortex-M0 Core for application
 - CPU clock speed up to 192Mhz
- 2.4GHz Transceiver
 - Single-end RFIO
 - -95dBm in BLE mode
 - Support 250kbps, 1/2/3 Mbps data rates
 - Tx Power 0dBm
- Postage stamp sized form factor
- Working current is 5mA
- RoHS compliant





Features

General

Feasycom's USB dongle Solution

Profiles

Major Profiles	SPP/BLE
	USB POS
	USB KEYBOARD
	USB CDC
	USB POS+ USB KEYBOARD

Radio specifications

Bluetooth Version	Bluetooth v5.0 Dual mode
Frequency	2.400 - 2.480 GHz
Transmit Power	+5 dBm (Maximum)
Receive Sensitivity	-95 dBm (Typical)
Raw Data Rates (Air)	3 Mbps
Modulation	GFSK

Profiles	Classic Bluetooth	Support
	Bluetooth Low Energy	Support
	Classic Bluetooth	1 Clients
	Bluetooth Low Energy	1 Clients
Maximum Connections		

Antenna

Type	PCB Coil antenna
Gain	2dBi (Max)
Radiation diagram	Omnidirectional

Power

Power supply	USB
Voltage	5V (typ.)

Mechanical specifications	
Material	ABS plastic
Color	BLACK
Size	32.8x16.2x8 mm
Protection	IP40

Environmental specifications	
Operating temperature	-40°C to +70°C
Storage temperature	-40°C to +70°C

Feasycom reserves the right to change product specifications at any time without prior notice.