

Firmtech

Bluetooth Serial Adapter Product
FB100/200series

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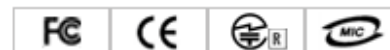
<FB100AS>



1. Profile : GAP, SPP
2. Bluetooth Specification : V2.0 + EDR
3. Power Class : Class1 (100m)
4. Size : 66 x 33 mm
5. Interface : 9pin D-SUB Female
6. Input Power : 4 ~ 12V

* Piconets(point to multipoint) are configurable up to (Max 1:7)

* in order to purchase a **Bridge version**, please specify the exact part number "**FB100AS(B)**"

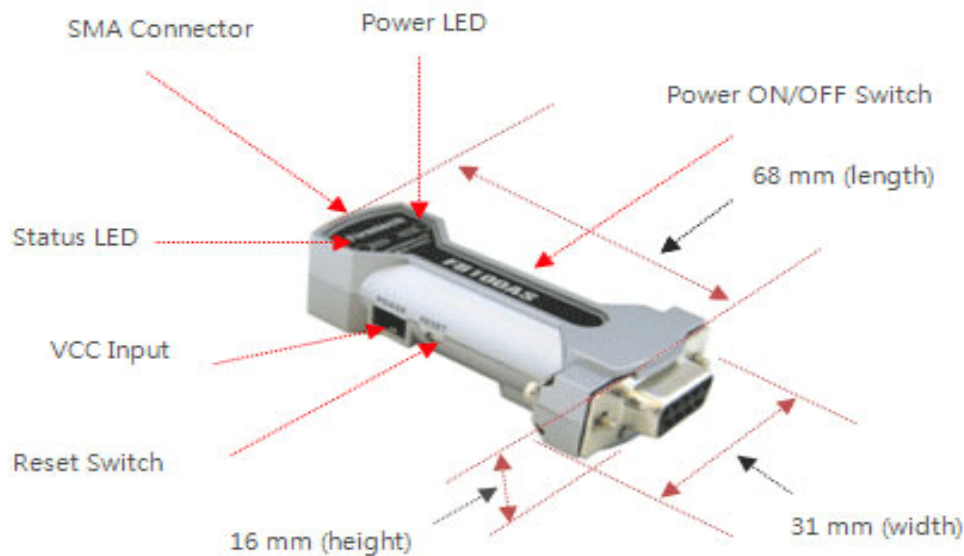


■ Specification

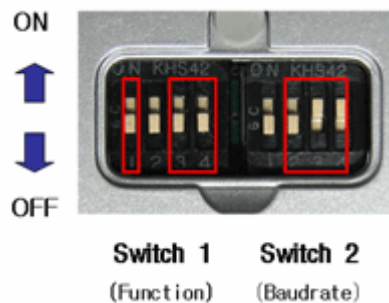
Bluetooth Specification	V2.0 + EDR
Profile	GAP, SPP
Carrier Frequency	2.4GHz ISM Band
Receiving Signal Range	-83dBm (Typical)
Transmission Power	+11dBm (Typical)
Power Comsumption	Max 100mA
Supply Voltage	4 ~ 12V
Power Class	Class1 (100m)
Size	66 x 33mm
Data Rate	2,400 ~ 230,400 bps
Operation Temperature	-30°C ~ 80°C
Antenna Type	Dipole Antenna 4dBi(default)
Output Interface	9 Pin D-SUB Connector(Female type)

Products Selection Guide

Items		Bluetooth Serial Adapter (Built in profile)	
		FB100AS	FB200AS
Interface Type	DSBU 9	√	
	USB		√
bluetooth Specification	V20 + EDR	√	√
Bluetooth Profile	SPP	√	√
Class Type	Class 1	√	√
Antenna Type	External Dipole	√	√
Input Power	5 V		√
	4 ~ 12 V	√	
Interface Level	EIA Level (RS 232 Level)		√
	USB	√	
Multi Connection Support	1 : 1		
	1 : 7	√	√
AT Command Support	Yes	√	√
	No		
Windows GUI Support	Yes	√	√
	No		



Application



Switch 1 - Function Select

#1 : Selectable Power Supply

#2 : None

#3 : Role (Master / Slave)

#4 : Environment Setting

Switch 2 - Baud rate Select

With using Pin#2,3,4, it is possible to set Baudrate 2400bps to 230400bps

FB100AS Start Kit

		FB100AS	2EA
		Dipole Antenna (4 dBi)	2EA
		USB Cable	2EA
		CD	1EA

<FB200AS>



1. profile : GAP, SPP
2. Specification : V2.0 + EDR
3. Power Class : Class1 (100m)
4. Size : 70 x 23mm
5. Interface : USB
6. Input Power : DC 5V

* Piconets(point to multipoint) are configurable up to (Max 1:7)

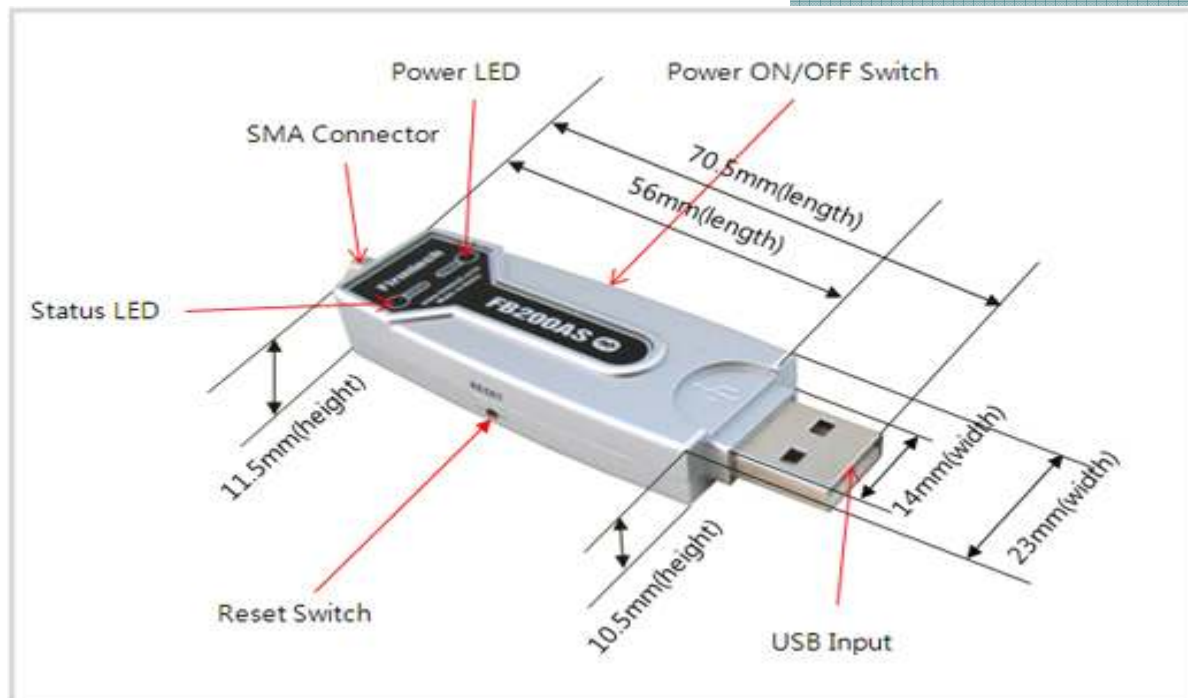


■ Specification

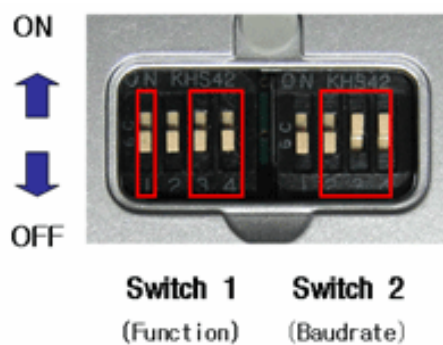
Specification	V2.0 + EDR
Profile	GAP, SPP
Carrier Frequency	2.4GHz ISM Band
Receiving Signal Range	-83dBm (Typical)
Transmission Power	+8dBm (Typical)
Power Consumption	Max 100mA
Supply Voltage	DC 5V
Power Class	Class1 (100m)
Size	70 x 23mm
Data rate	2,400 ~ 230,400 bps
Operation Temperature	-30°C ~ 80°C
Antenna Type	Dipole Antenna 4dBi(default)
Output Interface	USB

Products Selection Guide

Items		Bluetooth Serial Adapter (Built in profile)	
		FB100AS	FB200AS
Interface Type	DSBU 9	√	
	USB		√
bluetooth Specification	V2.0 + EDR	√	√
Bluetooth Profile	SPP	√	√
Class Type	Class 1	√	√
Antenna Type	External Dipole	√	√
Input Power	5 V		√
	4 ~ 12 V	√	
Interface Level	EIA Level (RS 232 Level)		√
	USB	√	
Multi Connection Support	1 : 1		
	1 : 7	√	√
AT Command Support	Yes	√	√
	No		
Windows GUI Support	Yes	√	√
	No		



Application



Switch 1 - Function Select

#1 : None

#2 : None

#3 : Role (Master / Slave)

#4 : Environment Setting

Switch 2 - Baud rate Select

With using Pin#2,3,4, it is possible to set Baudrate 2400bps to 230400bps

Basic Components

		FB200AS	2EA
		Dipole Antenna (4 dBi)	2EA
		CD	1EA