

Firmtech

Bluetooth Embedded Module Product
FB155series



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<FB155BC>



1. Profile : GAP, SPP
2. Specification : V2.1
3. Power Class : Class2
4. Size : 18 x 20 mm
5. Interface : UART (TTL)
6. Input power : 3.3V



■ Specification

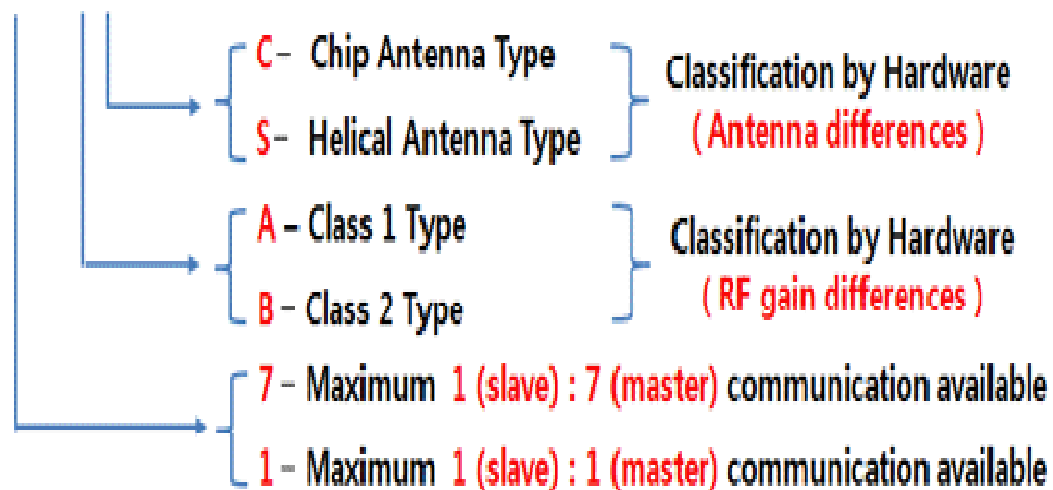
Specification	V2.1
Profile	GAP(General Access Profile), SPP(Serial Port Profile)
Carrier Frequency	2.4GHz ISM Band
Receiving Signal Range	-83dBm (Typical)
Transmission Power	+12dBm (Typical)
Power Consumption	Max 100mA
Supply voltage	3.3VDC +/-0.2V
Power Class	Class1 (100M)
Size	18 x 10 mm
Data Rate	F/W v1.3 - 1,200 ~ 115,200 bps F/W v2.0 - 2,400 ~ 230,400 bps
Operation Temperature	-10°C ~ 50°C
Antenna Type	Chip Antenna
Output Interface	UART (TTL level)

Products Selection Guide

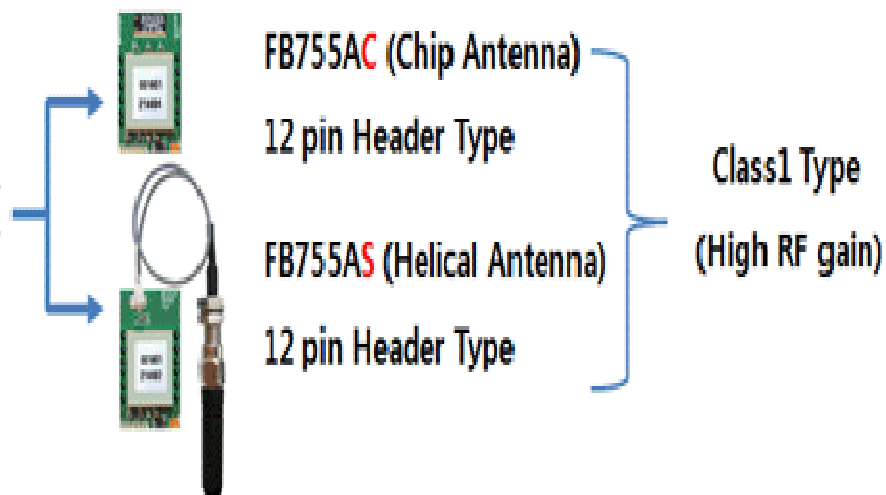
Items		Bluetooth Embedded module (Built in profile)			
		FB755AC	FB755AS	FB155BC	FB155BS
Interface Type	Header (2.54mm(100mil))	√	√	√	√
bluetooth Specification	V2.1	√	√	√	√
Blueooth Profile	SPP	√	√	√	√
	A2DP,HFP,HSP,AVRCP,SPP				
Class Type	Class 1	√	√		
	Class 2			√	√
Antenna Type	External Herical		√		√
	Chip	√		√	
Input Power	3.3 V	√	√	√	√
Interface Level	TTL Level	√	√	√	√
	EIA Level (RS 232 Level)				
Multi Connection Support	1 : 1			√	√
	1 : 7	√	√		
AT Command Support	Yes	√	√	√	√
	No				
Windows GUI Support	Yes	√	√	√	√
	No				
Start kit	FB755AC Start Kit	√			
	FB755AS Start Kit		√		
	FB155BC Start Kit			√	
	FB155BS Start Kit				√

Ordering Information [Bluetooth Embedded Module - Header Type]

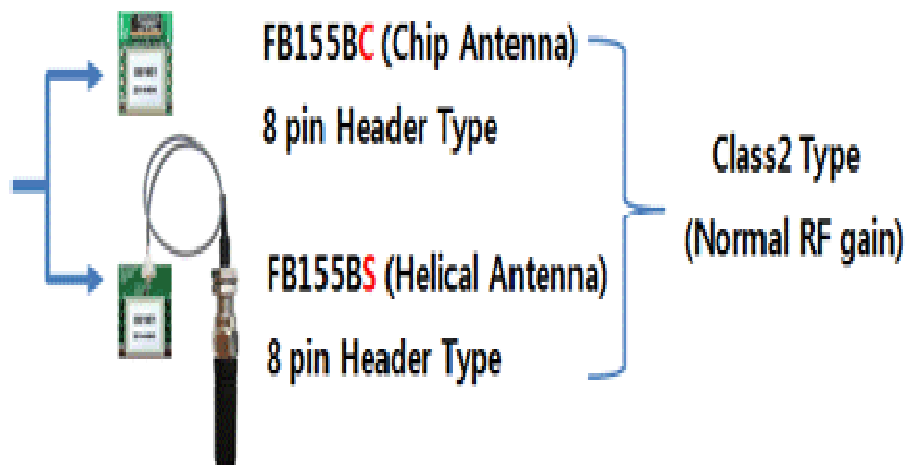
FBX55XX



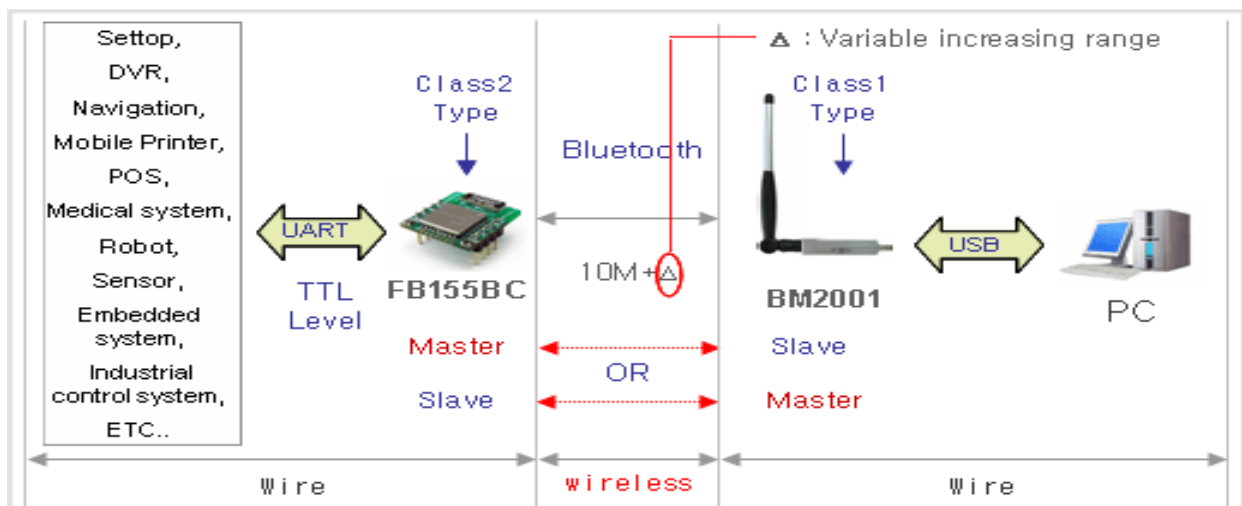
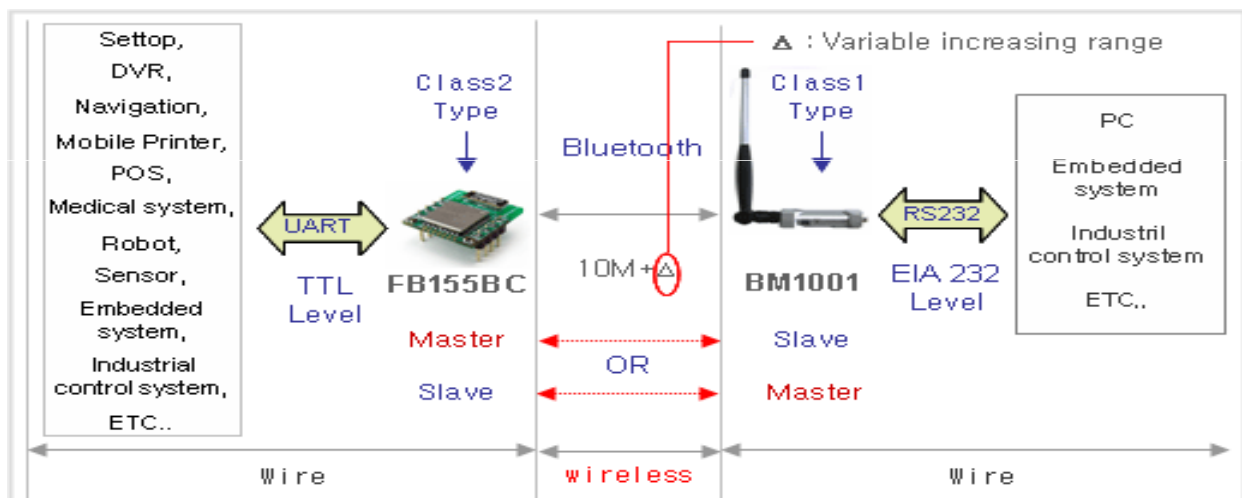
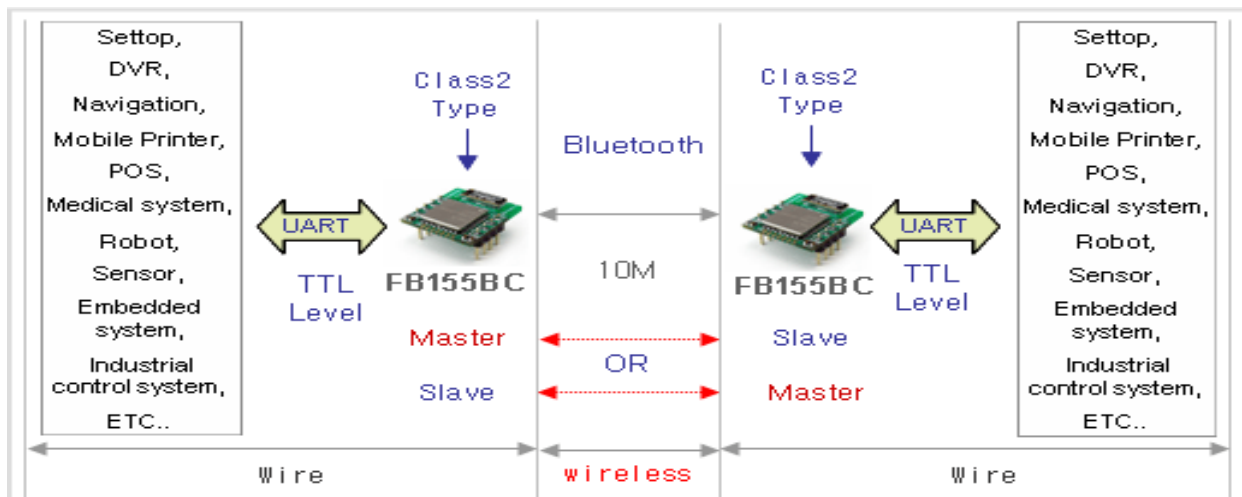
FZ755AX

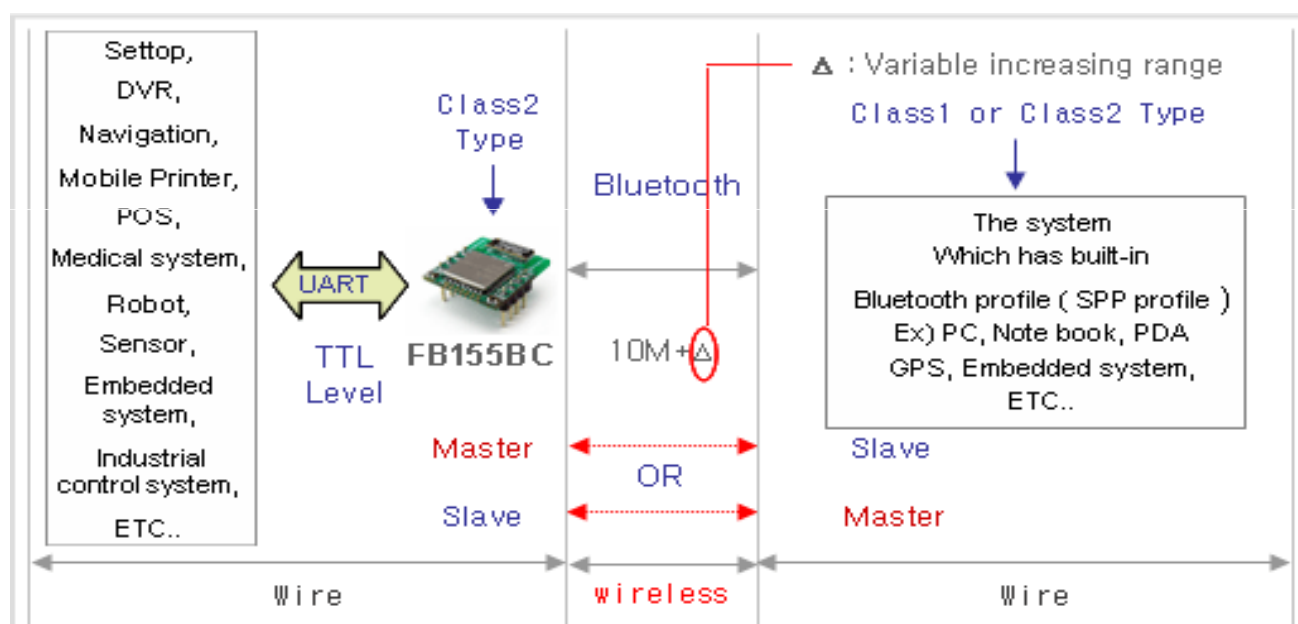
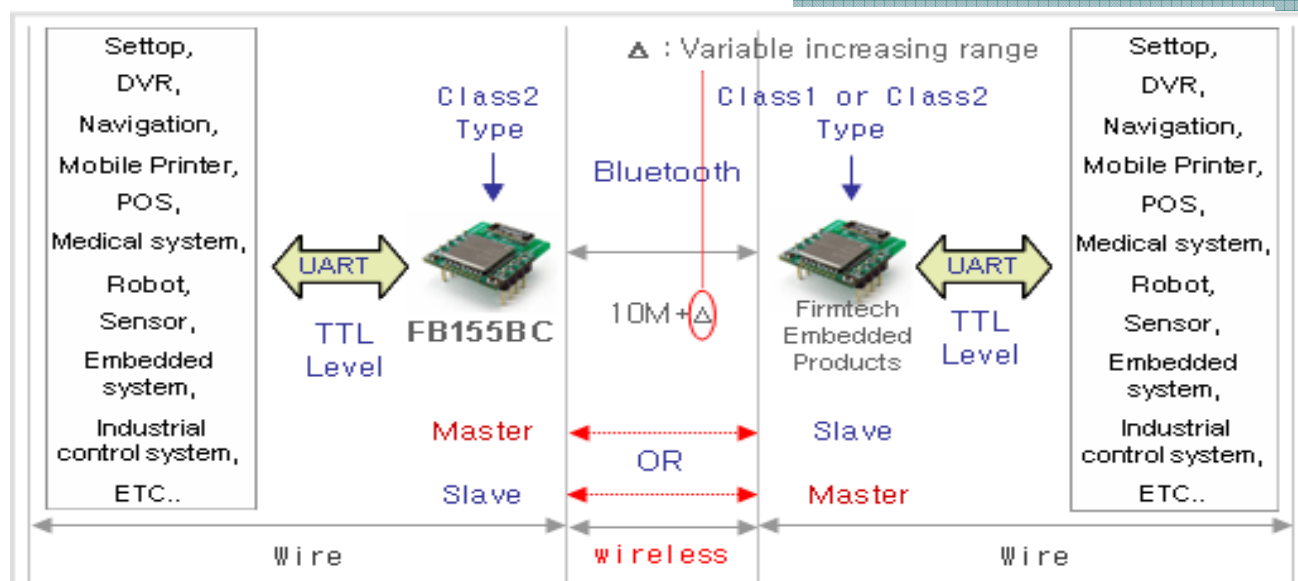


FB155BX

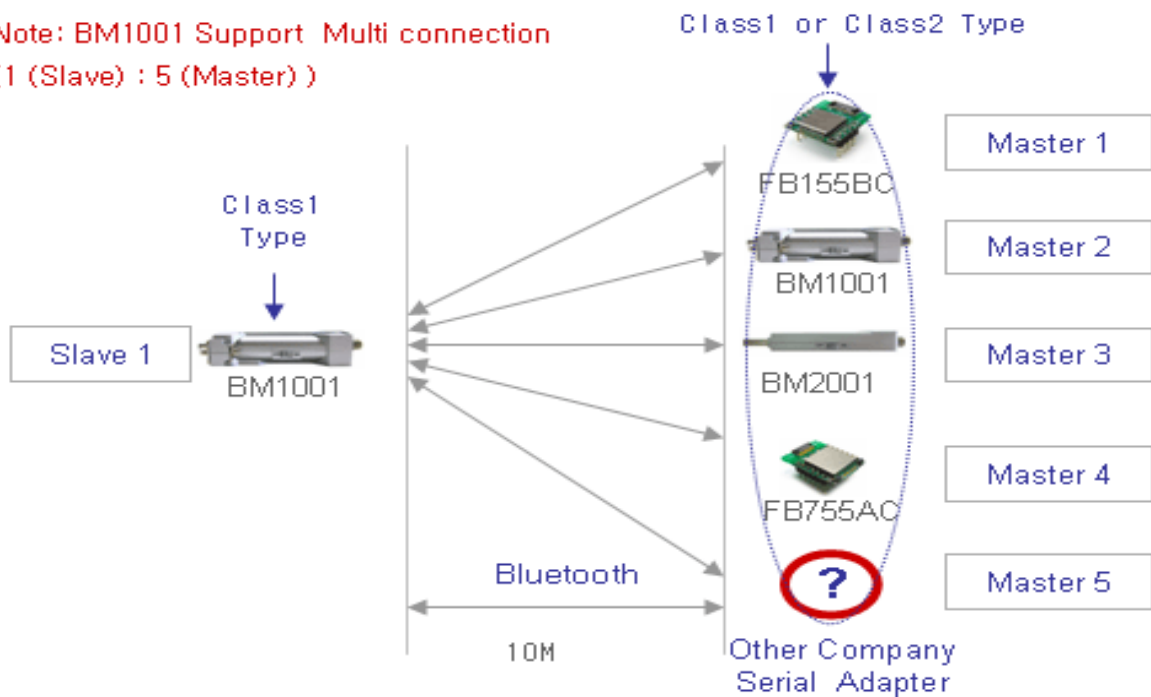


Application

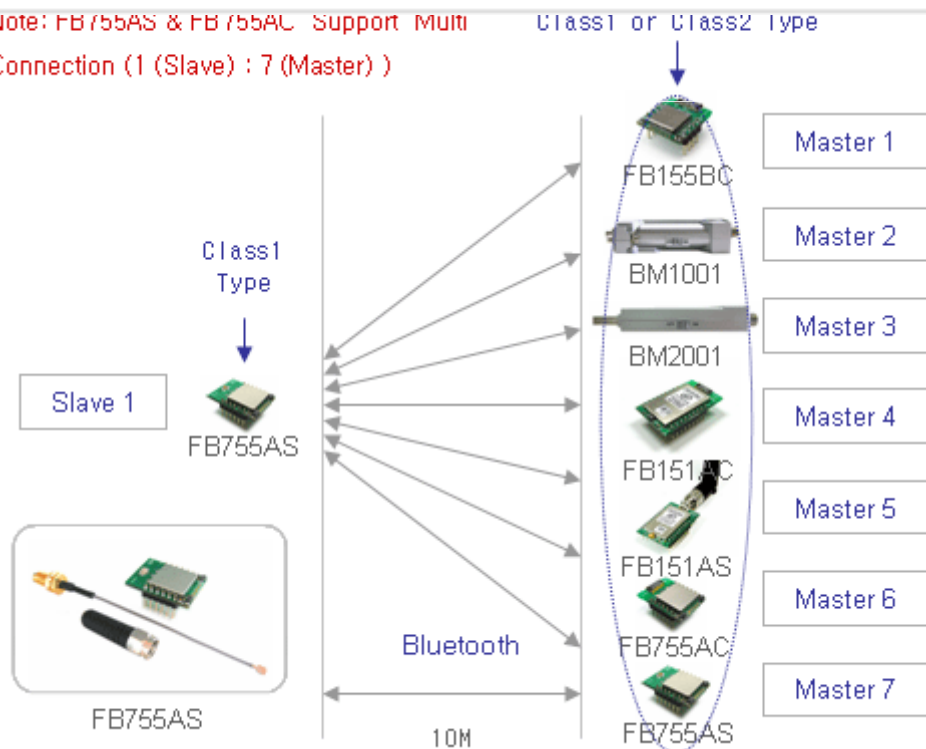




Note: BM1001 Support Multi connection
(1 (Slave) : 5 (Master))

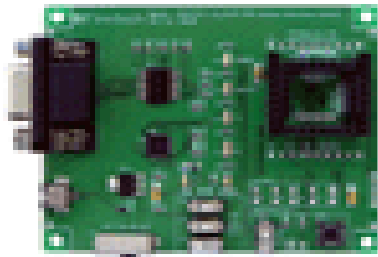


Note: FB755AS & FB755AC Support Multi
Connection (1 (Slave) : 7 (Master))

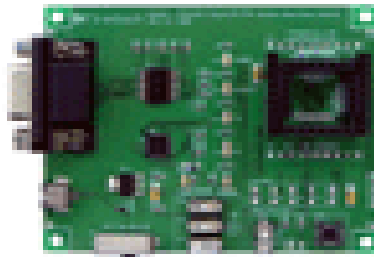


FB155BC Start Kit

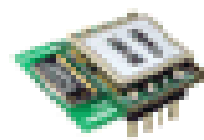
Product Content in One Set of FB1553C Start Kit



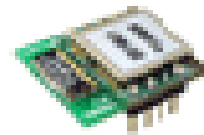
FB155a00K
(Interface Board)



FB155a00K
(Interface Board)



FB155b0C



FB155b0C



USB Cable



USB Cable

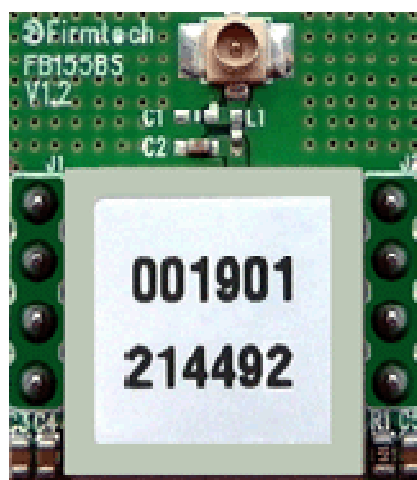


RS232 Cable



RS232 Cable

<FB155BS>



1. Profile : GAP, SPP
2. Specification : V2.1
3. Power Class : Class2
4. Size : 18 x 20 mm
5. Interface : UART (TTL)
6. Input power : 3.3V

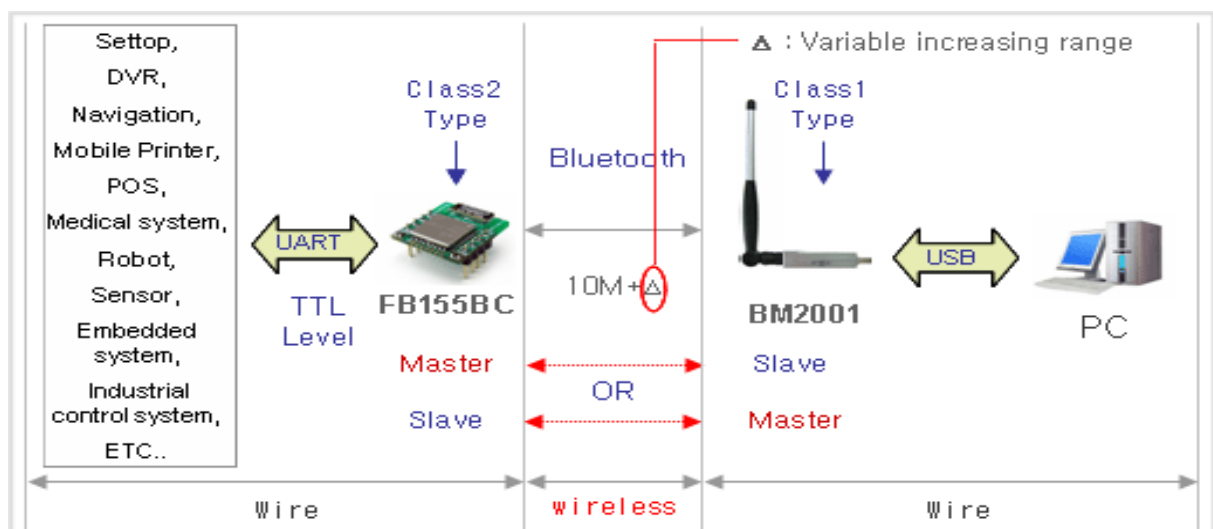
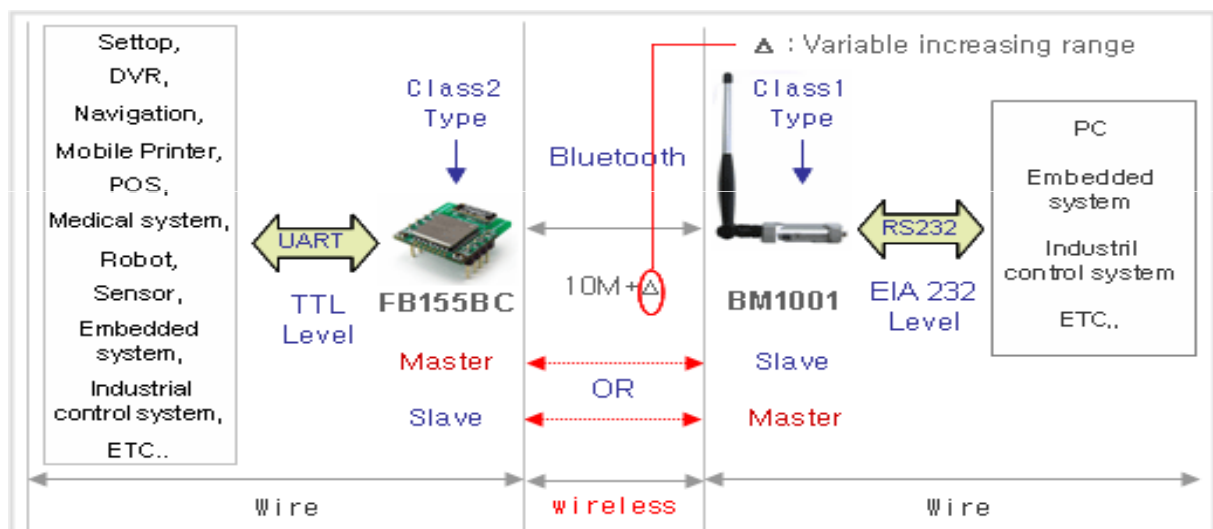
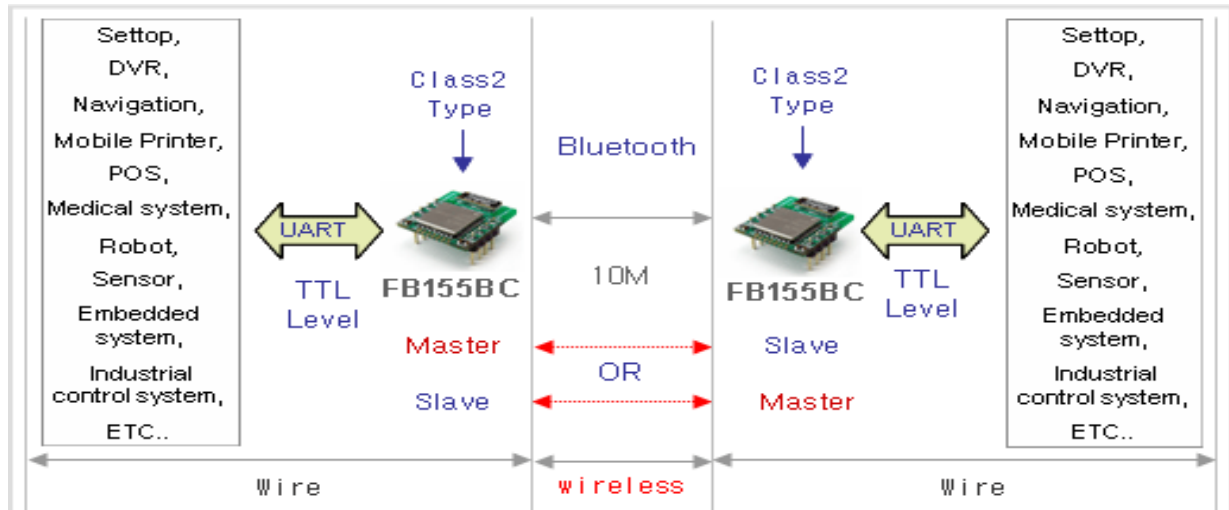
■ Specification

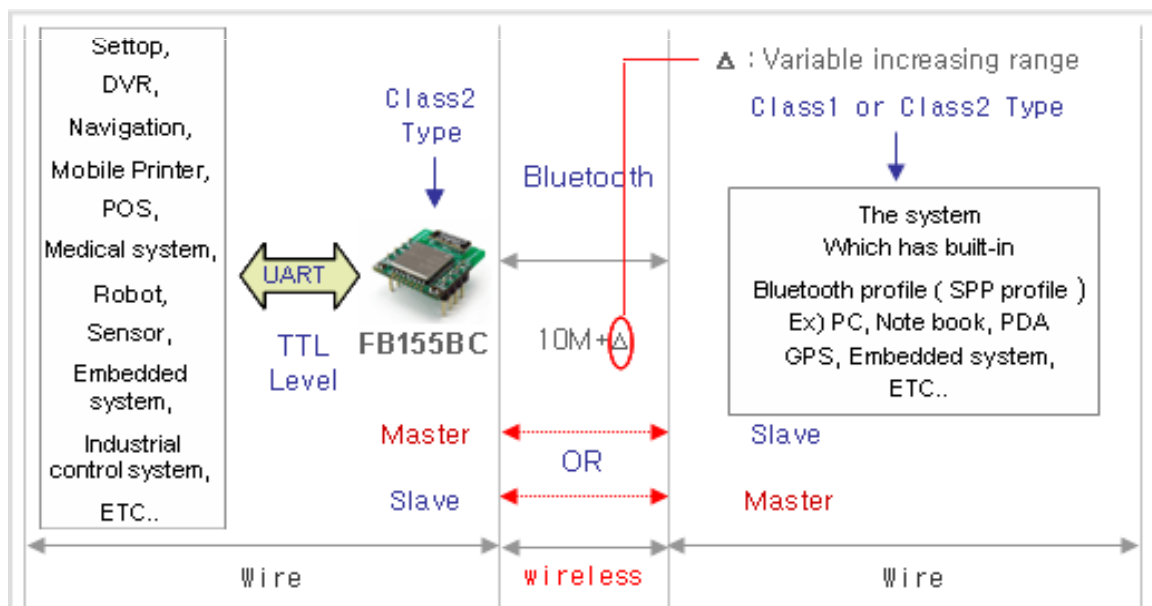
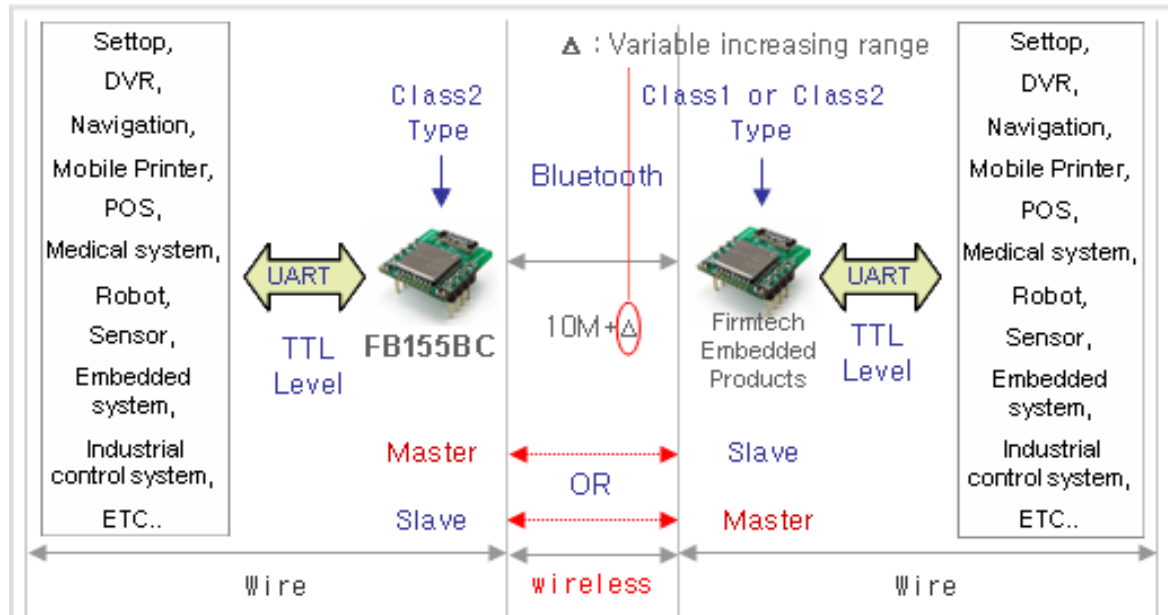
Specification	V2.1
Profile	GAP, SPP
Carrier Frequency	2.4GHz ISM Band
Receiving Signal Range	-83dBm (Typical)
Transmission Power	+2dBm (Typical)
Power Consumption	Max 43mA
Supply voltage	3.3VDC +/-0.2
Power Class	10M (Class2)
Size	18 x 20 mm
Data Rate	F/W v1.3 - 1,200 ~ 115,200 bps
	F/W v2.0 - 2,400 ~ 230,400 bps
Operation Temperature	-10°C ~ 50°C
Antenna Type	Dipole Antenna
Output Interface	UART (TTL level)

Products Selection Guide

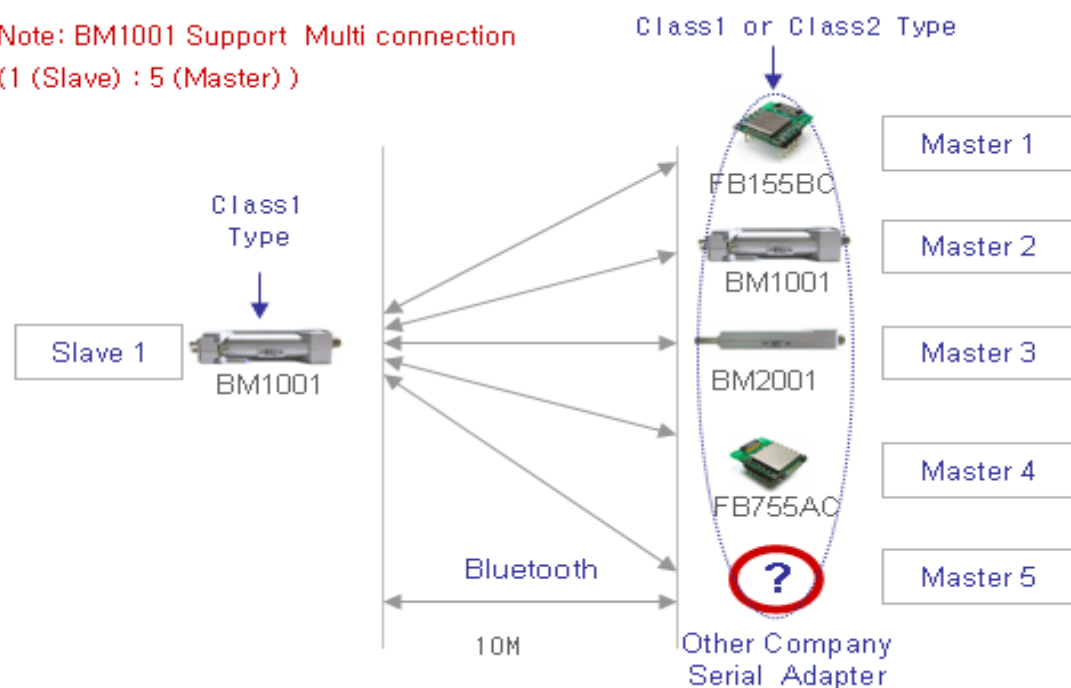
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Class Type	Class 1	√	√		
	Class 2			√	√
Antenna Type	External Herical		√		√
	Chip	√		√	
Input Power	3.3 V	√	√	√	√
Interface Level	TTL Level	√	√	√	√
	EIA Level (RS 232 Level)				
Multi Connection Support	1 : 1			√	√
	1 : 7	√	√		
AT Command Support	Yes	√	√	√	√
	No				
Windows GUI Support	Yes	√	√	√	√
	No				
Start kit	FB755AC Start Kit	√			
	FB755AS Start Kit		√		
	FB155BC Start Kit			√	
	FB155BS Start Kit				√

Application

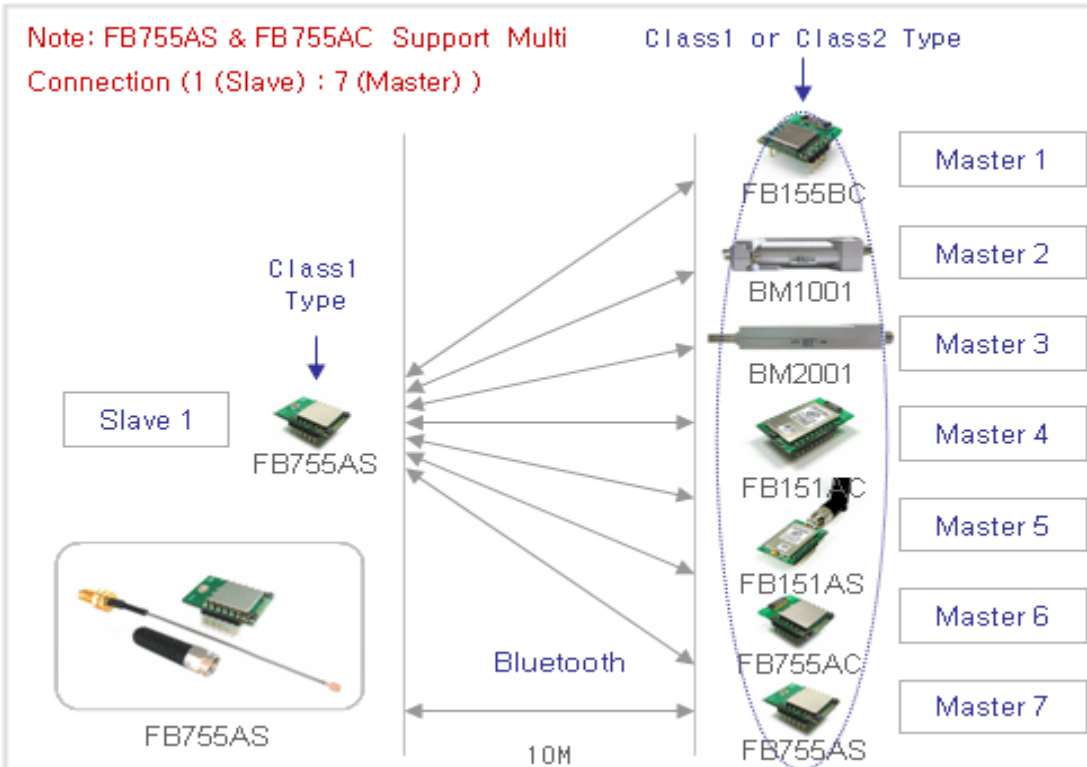




Note: BM1001 Support Multi connection
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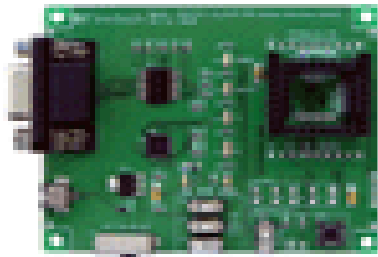


Note: FB755AS & FB755AC Support Multi
Connection (1 (Slave) : 7 (Master))

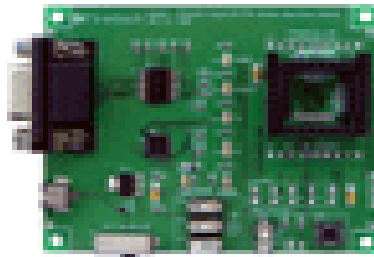


FB155BC Start Kit

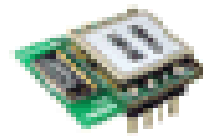
Product Content in One Set of FB1553C Start Kit



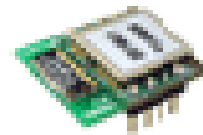
FB155a00K
(Interface Board)



FB155a00K
(Interface Board)



FB155b0C



FB155b0C



USB Cable



USB Cable



RS232 Cable



RS232 Cable