



Wi-Fi & Bluetooth		BSM-PPS2000	
Function	2.4 GHz Wi-Fi, Bluetooth 5.2		
WLAN Protocol	IEEE 802.11 b/g/n		
Bluetooth Version	Bluetooth 5.2		
Modulation	CCK/BPSK/QPSK/16QAM/64QAM		
<b>Temperature</b>			
Working Temperature	-40 °C ~ + 85 °C		
Storage Temperature	-45 °C ~ + 95 °C		
<b>Data Transfer Rate</b>			
802.11b	Max. 11 Mbps		
802.11g	Max. 54 Mbps		
802.11n	Max. 72 Mbps		
Bluetooth 5.2	Max. 2 Mbps		
<b>Interface</b>			
SPI	× 1		
UART	× 2		
I2C	× 1		
PWM	× 1		
GPIO	× 4		
Antenna Interface	× 1 (Pin antenna, IPEX antenna, PCB antenna are optional)		
Supply Voltage			
Power Supply Voltage	3.3 V		
I/O port Supply Voltage	3.3 V		
<b>General Characteristics</b>			
Encryption Mode	WPA3		
Operating Mode	AP/ STA		
Module Size	20.0 mm × 18.0 mm × 2.6 mm		
Weight	1.05 g		
<b>RF Performance</b>			
		Receive Sensitivity(dBm)	Transmit Power(dBm)
2.4 GHz	802.11b/1 Mbps	-96	16
	802.11b/11 Mbps	-87	16
	802.11g/6 Mbps	-89	15
	802.11g/54 Mbps	-72	14
	802.11n/HT20 MCS0	-89	14
	802.11n/HT20 MCS7	-70	13