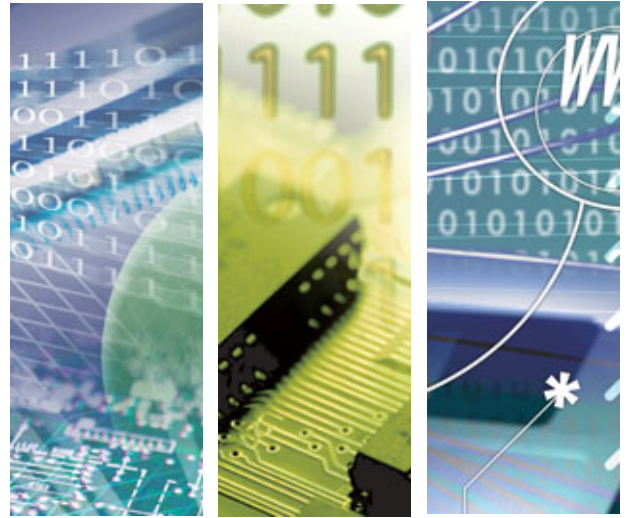
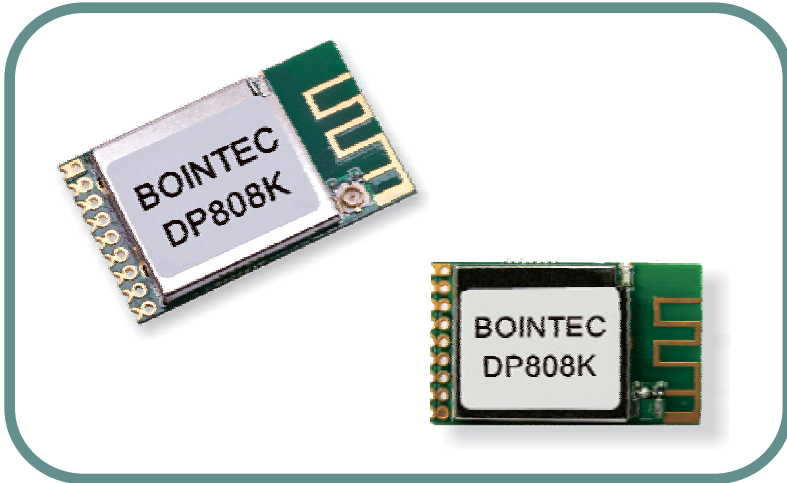




DP808K

Serial-to-WiFi and Economical IoT Solutions and Smart Applications



DP808K

Serial-to-WiFi and Economical IoT Solutions and Smart Applications

Introduction of Products

The Taijet Bointec DP808K module operates in 2.4GHz ISM frequency band with low power consumption. It applies a highly integrated MAC/BBP in the MT7681 chipset, support IEEE 802.11 b/g/n standards based on 1T1R technology (SISO). DP808K is truly cost-effective WiFi solutions in order to meet the Internet of Things (IoT), smart city applications and smart home/automobile appliances. Considering the cost and power consumption characteristic, DP808K will provide the great wireless connection and reliable solution. The single side components mounted module provides 1 UART interface and 4 GPIO ports. Regarding the antenna, DP808K provides the optional on-board or external antenna. Moreover, DP808K is not only easy to use but also supports various protocols such as TCP/IP and UDP. It is truly convenient for our clients to use a serial AT commands engineered by Taijet Bointec in order to connect the WiFi and control behaviors easily. Besides, Taijet Bointec has developed the comprehensive developing kit including the evaluation board for DP808K. Thus, it is truly advantage for the users to survey and build in their requirement so as to add additional value in client's product line and make it time to market.

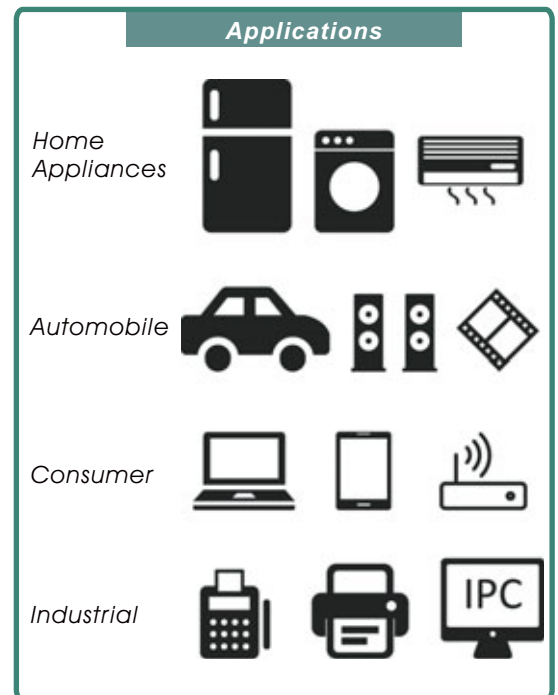
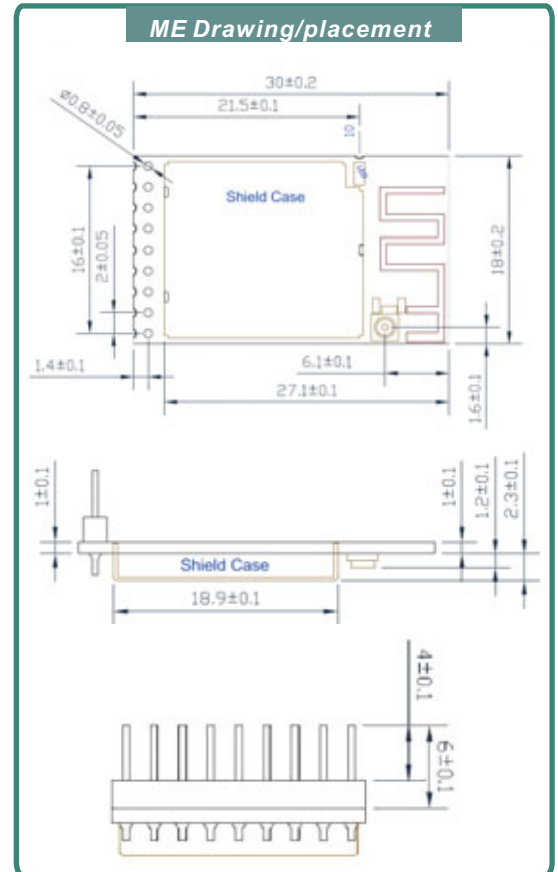
Product Highlight

- IEEE 802.11 b/g/n compliant with 2.4GHz frequency band
- Supports both Client and AP mode that can be selected
- Internal MU development SDK supported
- Smart WiFi configuration supported
- Provide 1 UART and 4 GPI ports
- Support WEP and WPA2 encryption mode
- RF ON/OFF control
- Sleep mode management
- Optional onboard antenna or External antenna
- Completed DK package based on the evaluation test board



Specification:

Protocol and interface		
WiFi Protocol	IEEE 802.11b/g/n	
Data interface	1 UART, Max data rate: 115200bps	
I/O ports	4 GPIO, Max interrupt request time 1ms	
LED display	Link/Activity display	
Memory size		
External SPI Flash	4Mbit	
WiFi Features		
WiFi mode	Client/Soft AP mode	
Encryption	WPA2-PSK, WEP (more will be available later)	
WiFi RF Characteristics (Typical)		
Frequency	ISM band, 2412~2483.5MHz	
Tx Power	802.11b (CCK) 11Mbps: 19+/-dBm	
	802.11g (OFDM) 54Mbps: 16+/-dBm	
	802.11n (HT20@MCS7), 15+/-1dBm	
	802.11n(HT40@MCS15), 15+/-1dBm	
Rx sensitivity	802.11b: -86+/-1dBm	
	802.11g: -72+/-1dBm	
	802.11n (HT20), -68+/-1dBm	
	802.11n (HT40), -65+/-1dBm	
Operation Voltage and Current (Typical)		
Power supply	3.3+/-0.05 VDC	
Current	1.1mA	Sleep mode
	6mA	RX listen mode
	15mA	RX power saving, DTIM=1
	70mA	RX Active, HT40, MCS7
	220mA	802.11g (OFDM) 54Mbps
	210mA	802.11n (HT20@MCS7)
	210mA	802.11n (HT40@MCS7)
	245mA	802.11b (CCK) 11Mbps
Operation Condition		
Operating temperature	-10°C to +60°C	
Storage temperature	-20°C to +80°C	
Operating humidity	20% to 80%	
Physical		
Size	30*18mm	
Weight	2.4g	



TAIJET BOINTEC CO LTD
 4F, # 114, Zhouzi St., Neihu-Taipei 11493, Taiwan
 TEL: +886-2-2759-0081
 WWW.BOINTEC.COM

(C)TAIJET BOINTEC. All rights reserved. Taijet Bointec & the Taijet Bointec logo are the trademarks of Taijet Bointec, which may be registered in some jurisdictions. All other brands and product names are registered trademarks of their respective holders. Information supplied by Taijet Bointec is believed to be accurate and reliable. Taijet Bointec assumes no responsibility for any errors in this brochure. Taijet Bointec reserves the right, without notice, to make changed in product design or specifications.

Bointec Authorized Distributer