DP807K

Comprehensive WiFi and IoT Applications Module

DP807K

State-of-the-art Solution of WiFi and IoT Applications.

Introduction of Products

Taijet Bointec DP807K is a sophisticated IEEE 802.11 b/g/n WiFi module. It is a cost-effective and perfect solutions for household appliances, enterprise, factory and consumer products due to its powerful SoC. Besides, DP807K supports multiple interfaces such as UART, USB2.0 and 10/100 LAN Fast Ethernet and GPIOs based on a compact size. Thus, clients have a great flexibility to implement DP807K into their target products. According to this advantage, it enhances the customer's product features and values. Regarding the internet of things (IoT) application, DP807K can provide the highlight feature which supports the IoT such as smart, interactive and intelligent grid market, data processing, servers and cloud applications. Considering the future extended abilities, it is truly friendly for customers to use DP807K due to the UART and USB interfaces connected or mounted with an IEEE 802.11 a/ac, GPS, 3G WCDMA or LTE module in order to meet the state-of-the-art requirement and features. Last but not least, Taijet Bointec is able to provide the fully support software SDK and the comprehensive quick guide of software command . Taijet Bointec DP807K offers one stop solutions for all our partner and customers.

Product Highlight

- A Lite version of DP806K.
- Current the most sophisticated radio frequency module of WiFi and IoT with a compact size in the market.
- Support IEEE 802.11 b/g/n compliant 2.4GHz based on Max throughput 300Mbps.
- Multiple Interfaces including UART, USB2.0 and 10/100 LAN Fast Ethernet and GPIOs.
- Compact size and solid mounting scheme.
- Support Internet of Things (IoT) applications.
- Highly extended capabilities of IEEE 802.11 a/ac, GPS, 3G WCDMA, LTE module.
- Support industry and consumer criteria.
- Cost-Effective WiFi module solutions.
- Provide one stop solutions.
- Comprehensive quick guide of software command.
- Home Appliances applications.
- Commercial products applications.
- Completed DK package based on a evaluation test board (DEV806).

DP807K Comprehensive WiFi and IoT Applications Module

Specification:

Feature	Specification	Notes
General		
Processor	SoC CPU	
Memory	SDRAM DDR2 64MB	
Flash	8MB Flash	
Network Management		
Local management	HTTP Web Browser	
Radio		
Frequency band	2.4 GHz	
Standard	IEEE 802.11 b/g/n standard	
Bandwidth	HT20 and HT40	
Antenna	Reserve 2 IPEX connectors	
Output Power	EVM and Mask Compliant: 17dBm at 6Mbps 13dBm at 54Mbps 10dBm at HT40 MCS7	
Sensitivity	- 90dBm at 6Mbps - 72dBm at 54Mbps - 65dBm at HT40 MCS7	
Interfaces		
UART	TXD;RXD;CTS;RTS	
USB2.0	USB Data+;USB Data-	
I^2C	I^2C Clock; I^2C Data	
10/100 LAN Fast Ethernet	Ethernet 0 and Ethernet 4	Optional
GPIOs	Quantity (TBD)	Optional
Power Consumption		
Power Consumption	3W	
Operational Temperature		
Ambient temperature	0~40 Degree C	
Certificate		
CE	FCC	RoHS

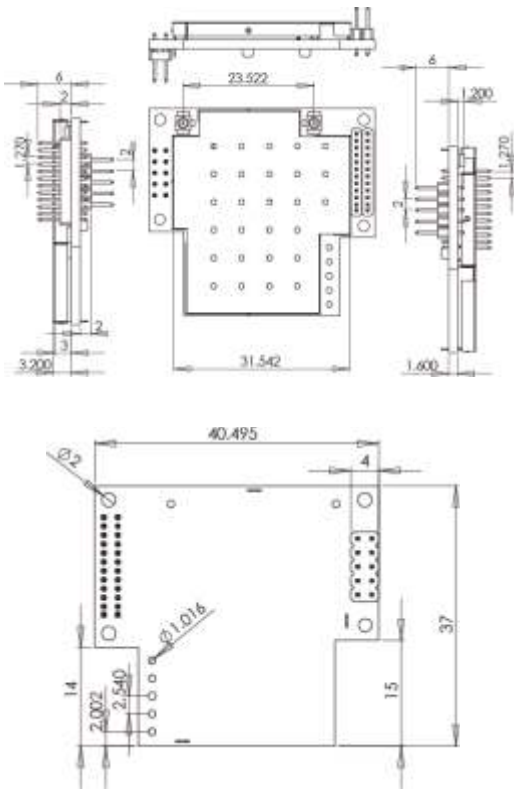
Order Information:

Bointec DP807K Model	Description
Bointec DP807K-4	Flash 4MB/RAM 32 MB
Bointec DP807K-8	Flash 8MB/RAM 64MB
Bointec DEV806	DP807K Evaluation Board

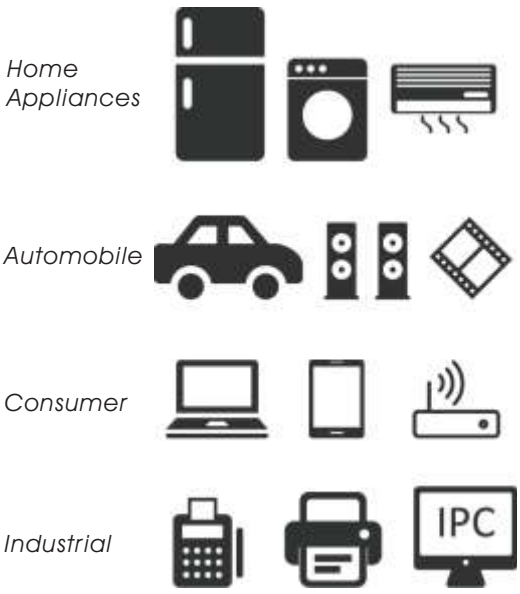
Optional Extended Board Information :

Taijet Bointec Daughter Board Model	
IEEE 802.11 a/ac	Under Development Please contact with our global sales service.
GPS	
Bluetooth 2.0/3.0/EDR/4.0(LE)	
3G WCDMA HSPA+	
LTE	
Zigbee (IEEE 802.15.4)	

ME Drawing/placement



Applications



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

Taijet Bointec Authorized Distributer

(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.