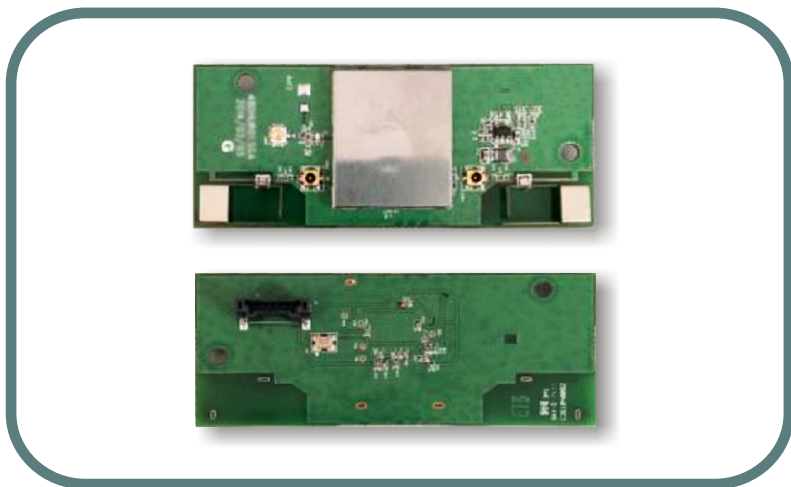


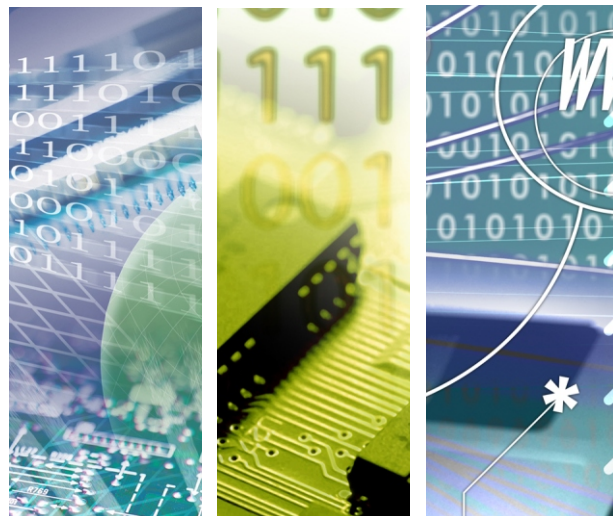


DUB901K

IEEE 802.11a/b/g/n and Bluetooth 4.0 Combo USB module



Comprehensive WiFi and BT Combo USB solution



DUB901K

Introduction of Products

Taijet Bointec DUB901K is a WLAN module supporting IEEE 802.11 a/b/g/n standard and Bluetooth 4.0 by the USB 2.0 interface. DUB901K is truly a cost-effective solution for the current wireless market with the powerful performance. Besides, DUB901K possesses the dual band features and 2X2 MIMO technology (2T2R). Moreover, it can achieve the max throughput of 300Mbps based on its comprehensive modulation technique. Taijet Bointec DUB901K provides an easy design for various environment such as household appliances, industry, consumer and automobile applications. It contains two metal antenna on the module and reserve two RF U.FL connector for external antenna. It is convenient for all users to use two screw holes on the module in order to assemble on customer's host board or custom boards. Based on the compact size module and robust setup scheme, DUB901K provides those advantages to enhance the value of our customer's target product.

Product Highlight

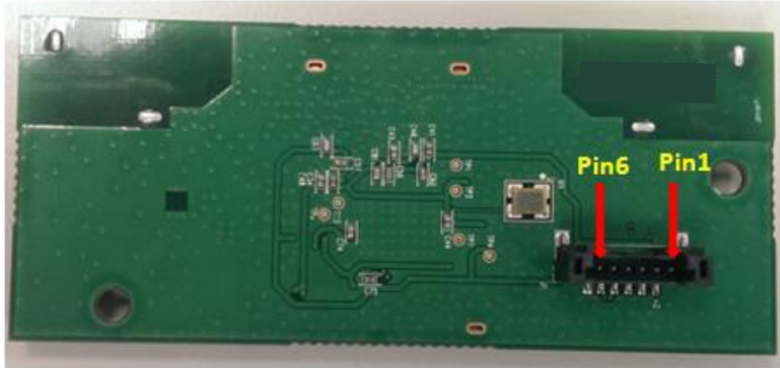
- Current sophisticated WiFi module with a compact size in the market
- IEEE 802.11 a/b/g/n standard and bluetooth 4.0
- Support HT20/HT40 based on 2.4GHz and 5GHz
- Support 2x2 MIMO technology
- Cost-effective solution
- Robust Design for assembling on the host boards
- USB2.0 interface
- 2 metal antenna on the module board for WiFi
- U.FL connectors for external BT antenna (Optional)
- PCB Dimensions: 70mm x 30mm x 1mm, 4 Layer, FR4
- Operating Voltage: 5V DC, +/- 5%
- RoHS compliant



Specification:

Feature	Specification	Notes
General		
Radio	IEEE 802.11 a/b/g/n and Bluetooth 4.0	
Frequency band	2.4GHz and 5GHz	
Bandwidth	20MHz, 40MHz	
Antenna	<ul style="list-style-type: none"> • 2 metal antenna on the module board for WiFi • U.FL connectors for external BT antenna (Optional) 	

USB2.0 Interface



Pin 1	GPIO 20_Vsync	
Pin 2	GPIO 05_WoW	
Pin 3	VBUS	
Pin 4	USBBDM	
Pin 5	USBDP	
Pin 6	Ground	

Dimensions

PCB Dimension	(70 +/- 0.2mm)x(30 +/- 0.2mm)x(1+/-0.2mm) with 4 layers
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Temperature

Operation Temperature	0 °C ~ 50 °C
Storage Temperature	-20 °C ~ 80 °C

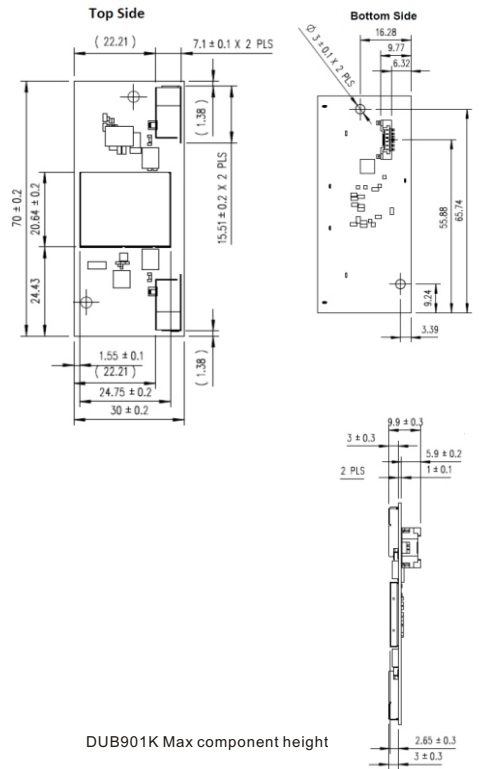
Power Consumption

Power	5V DC +/- 5%.
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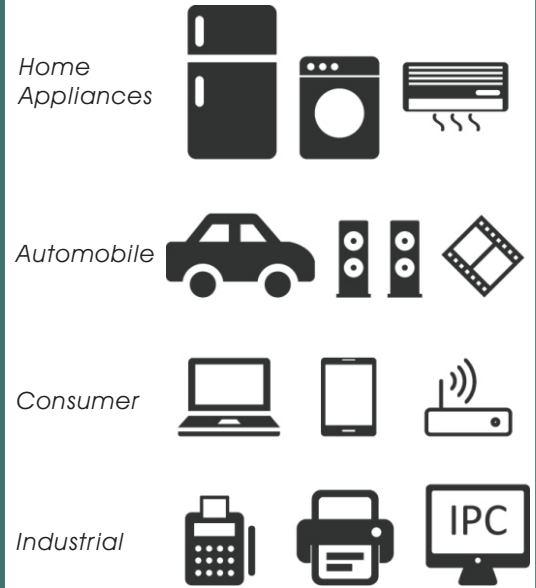
Certificate

RoHS	CE
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ME Drawing/placement



Applications



Order Information:

Tajet Bointec DUB901K	Description
DUB901K DK Package	1. One DUB901K Entity 2. TBD
DUB901K Entity	One DUB901K Entity



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