

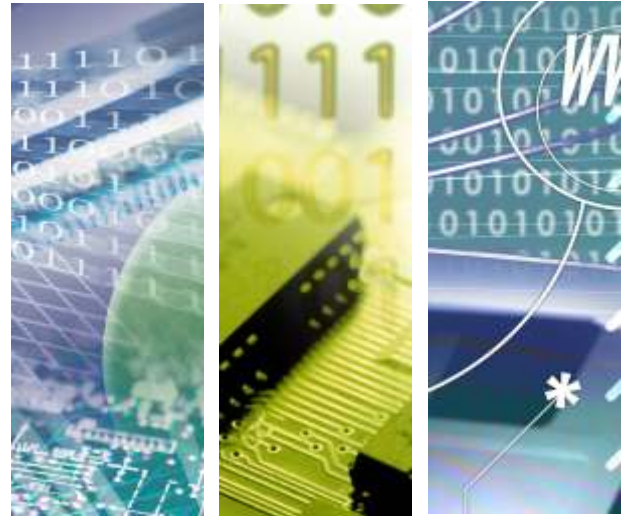


CSW868A

WiFi 802.11 b/g/n IoE Module



State-of-the-art Solution of IoE Applications.



CSW868A

Introduction of Products

Taijet Bointec CSW868A module with a built-in printed antenna is an intelligent Internet of Everything (IoE) platform which can be powered by Alljoyn with low power wireless connectivity. This completes networking platform enables customers to add full-featured Wi-Fi to a wide variety of products with minimal development effort and cost. It supports a network stack along with SSL security, enabling full-featured internet connectivity and reliable information exchange in a small, low-cost system.

The CSW868A module contains a Qualcomm® QCA4004 chipset. The QCA4004 is a single chip system on a chip (SoC) 1x1 802.11 b/g/n device optimized for low-power embedded applications with single-stream capability for both Tx and Rx. It has an integrated network processor with a large set of TCP/IP with IPv4/IPv6-based services. The CSW868A provides UART-based host and SPI slave interfaces for connecting to local system controllers.

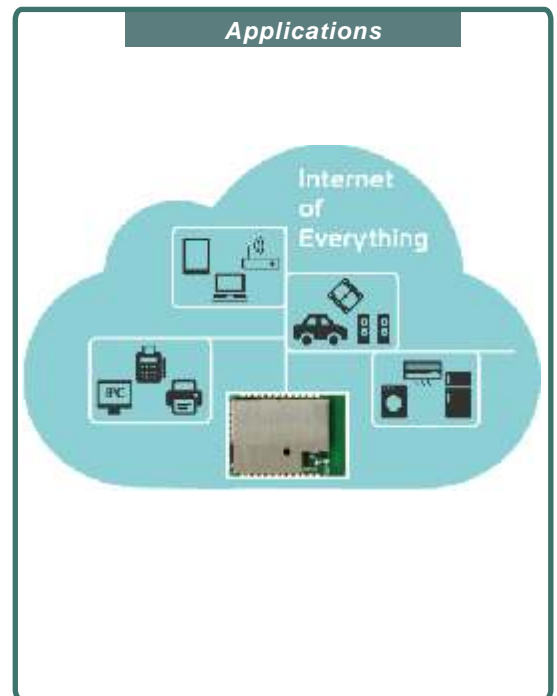
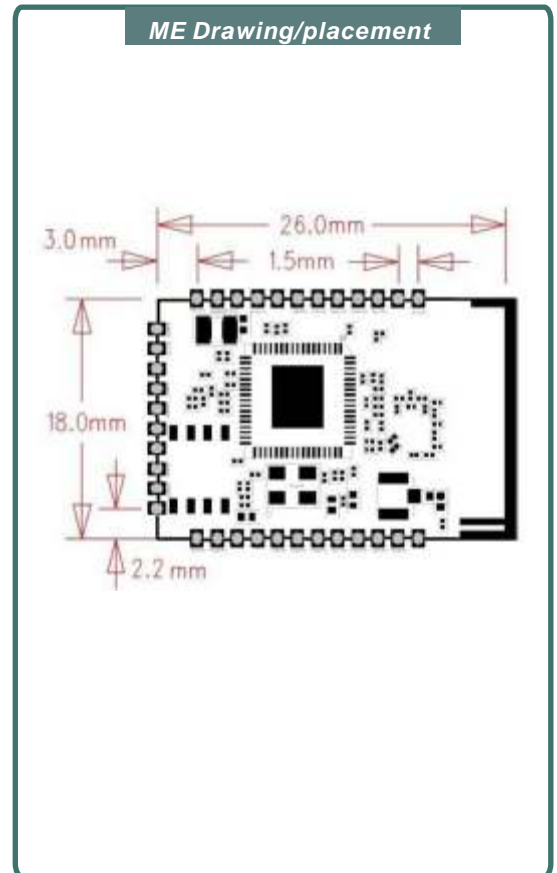
Product Highlight

- ?Main Chipset Qualcomm® QCA4004
- ?IEEE 802.11 b/g/n compliant with 2.4GHz frequency band
- ?Supporting HT20/HT40 bandwidth
- ?1T1R
- ?802.11b: 1, 2, 5.5, 11Mbps; 802.11g: 6, 9, 12, 24, 36, 48,54Mbps ; 802.11n: Support PHY rate up to 150Mbps.
- ?UART/USB/SPI/I²C/GPIO interface
- ?built-in printed antenna
- ?External antenna via IPEX connector (Optional)
- ?CE, FCC and RoHS compliant



Specification:

Feature	Specification
General	
Processor	Qualcomm® QCA4004
Frequency band	2.4GHz (2.412 GHz to 2.484 GHz)2.4GHz
Bandwidth	HT20 and HT40
Antenna	<ul style="list-style-type: none"> Built-in printed antenna External antenna via IPEX connector (Optional) 1T1R
Interfaces	<ul style="list-style-type: none"> UART GPIOs USB I²C SPI/SDIO I²S
WiFi	
Standard	IEEE 802.11 b/g/n
Internet Protocols	IPv4/IPv6, TCP/UDP, ARP/NDP, DHCPv4, ICMPv6
Security Protocols	WPS, WPA, WPA2, WAPI, WEP, TKIP
Power Consumption	
Operating Voltage	3.3 V ± 10%
Power Consumption	<ul style="list-style-type: none"> Transmit: 250 mA @16dBm Receive: 75 mA (typical) Power saving mode(DITM=1): 1.09mA Standby mode(Sleep): 130uA
Environment	
Operating Temperature	<ul style="list-style-type: none"> Industrial: -40°C ~ +85°C Commercial: -10°C ~ +65°C
Operating Humidity	<ul style="list-style-type: none"> Operating humidity: 20-70%
Dimension	
PCB Size	26 x 18 x 2.5 mm (height is 3.6mm when a coax cable is plugged into the u.FL connector)
Certificate	
<ul style="list-style-type: none"> CE FCC RoHS compliant 	



Bointec Authorized Distributer




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