

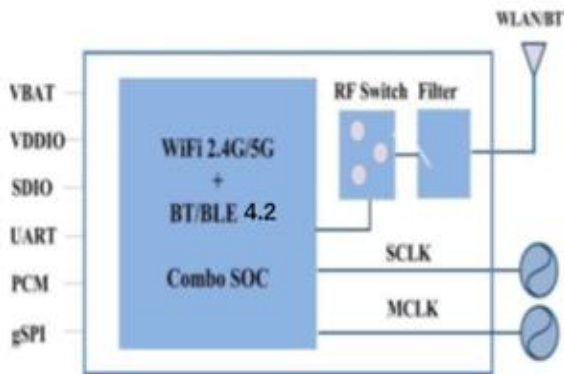
ALC28 Wi-Fi and Bluetooth Module

Alinket ALXC28 is a series of small, low-powered, self-contained, certified 2.4G/5G Wi-Fi & BT/BLE 4.0 IoT module. It can bring internet connectivity to your devices through various interfaces such as SDIO, UART, etc. This series of controllers are an ideal solution for device manufacturers who are looking for wireless connectivity in medical and healthcare applications, industrial control equipment, home appliances and smart energy systems.



12mm(W)*12mm(D)*1.5mm(H)

System Architecture



Applications

- Environmental & energy monitoring
- Medical and Healthcare
- Industrial Control and Monitoring
- Smart city, Smart home
- Wireless sensing network
- Wireless audio and video
- Smart robots & toys
- And more...

Contact

For more information, please contact: Alinket Electronic Technology (Shanghai) Co., Ltd.
 Tel: +86 21 58651708, E-Mail to sales@alinket.com, or visit our website at www.alinket.com.

Highlights

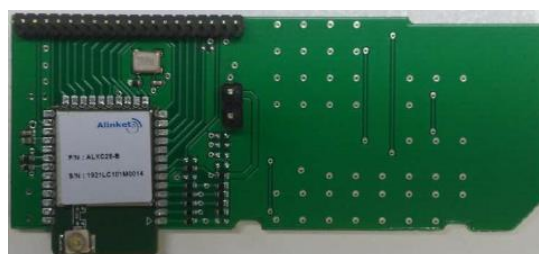
- Support WLAN 802.11, 2.4G/5G dual band, BT/BLE 4.2
- Multiple interfaces: UART、SDIO2.0
- Support UART to BT/BLE
- Support SDIO to Wi-Fi
- Roaming (optimal trigger mechanism)
- User software customization of working mode
- Working Temperature: -30°C ~ +85°C
- RoHS Certification

■ ALXC28 Specification

Module		ALXC28
Size (mm)		12 x 12 x 1.5
Wi-Fi Technology		IEEE802.11 a/b/g/n
Frequency Band		2.4G & 5G
Interface		SDIO, UART, I2S, PCM
TX Power (dBm) *	2.4G(b/g/n)	+19.5, +18, +16.5
	BT	+10
	5G(a/n)	+16.5, +15
RX Sensitivity (dBm) *	2.4G(b/g/n)	-99, -92, -89
	BT	-94.5
	5G(a/n)	-91.2, -91.1
Voltage		3.3V (±10%)
Working Temperature		-30°C ~ +85°C

■ ALXC28 Evaluation Board

Alinket provides ALXC28 Evaluation Board to verify various interfaces and functions of the product , which can quickly verify the feasibility of technical solutions, and shorten the R&D cycle.



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* Note: Please contact your local sales office or distributors for more information.

About Alinket Technology, INC.,

Alinket offers a range of leading cloud-connected wireless communication controllers including Wi-Fi, Bluetooth, BLE, and Wi-Fi + BT/BLE. Alinket is building an effective eco-system for the IOT world.

