

Network controller module

Shielded small WiFi 11b/g/n + MCU module

Features

- 2.4GHz WiFi+MCU module with integrated PCB antenna
- Network topology: uAP and STA dual mode
- Chipset: NXP (88MW320) wireless microcontroller
- Processor: ARM Cortex-M4F
- Modulation: DSSS / CCK / OFDM
- FCC/CE/IC Certified

Feature rich software hosted on module

- For Industrial IoT, smart home, sensor network, gateway
- 802.11 b/g/n 72.2 Mbps, WiFi Stack runs inside, 512KB SRAM, 128KB mask ROM, and 2MB SPI Flash on module
- NXP WMSDK tool provides comprehensive support

Description

Type ABR is a small module (integrated PCB antenna) based on NXP 88MW320 (wireless microcontroller), supporting WiFi 802.11 b/g/n up to 72.2 Mbps PHY data rate; with an integrated 200MHz ARM Cortex-M4F MCU for host-side applications.

Type ABR easily enables stand-alone consumer applications with its integrated ARM Cortex-M4F MCU. NXP's powerful WMSDK tool allows customers to quickly and easily customize their solution.

Type ABR network controller module provides device manufacturers with an easy-to-design solution for data acquisition, device management, and industrial control applications. RF matching, Antenna design and Regulatory certification are already taken care of and tested.

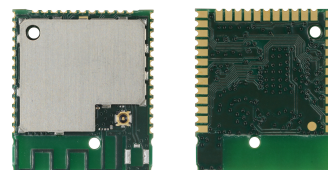
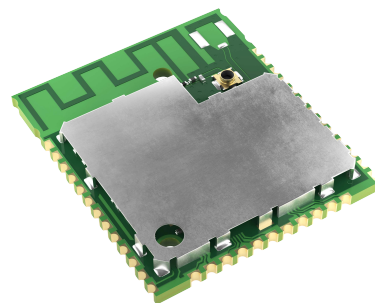
Each module offers a complete network controller solution via a simple UART interface. The WiFi, TCP/IP, security supplicant and other network application features are hosted directly on the module. Amazon Alexa Voice Service (AVS) is also supported.

The feature-rich Type ABR module is packaged in a small form factor that facilitates integration into size- and power-sensitive applications.

For more details see: <https://wireless.murata.com/type-abr.html>



Part number: CMWC1ZZABR



Actual size
(22.0 x 19.0 x 2.4 mm)