

## Wi-Fi Module

## Wi-Fi iAudio(Airplay/DLNA) Module

### WFM-220

This is a single chip wireless audio module integrates multiple audio formats such as MP3, WMA, RA, AAC, WAV, APE, FLAC and Hi-Fi lossless music decoding, maximum decoding capacity 44.1kHz/48kHz, the biggest advantage in the ability for loss free streaming media transmission bandwidth and network. WFM-220 can support AIRPLAY protocol for APPLE device, support DLNA protocol for ANDROID device, support network media streaming protocol, remote control base on TCP/IP.

WFM-220 Serial Wi-Fi Audio module with CMedia 118B and APPLE CP use the WAC protocol for APPLE WWDC. The module supports 802.11 b/g/n wireless standard which can work in wireless AP/STA mode. For the main Wi-Fi standard 802.11g and 802.11n, the transmission rate is 54Mbps for 802.11g, 150Mbps for 802.11n, all far more than the CD level quality required bandwidth. At the same time, WFM-220 can realize two devices point to point direct, and also can through wireless routing network.

WFM-220 Serial Wi-Fi Audio module also support extended interfaces, such as Ethernet interface support cable internet access, USB interface can access USB extend storage device. Support standard UART interface, and can be connected with MCU to achieve Wi-Fi wireless network control, More I/F like SPDIF, I2S can be extended for analog sound codec used.

### Features

- Support IEEE 802.11 b/g/n Standard
- Built in IPEX compatible antenna
- 32MB DDR1
- 8MB SPI Flash
- Ethernet Interface: 10/100M Ethernet
- Other interfaces: USB 2.0, UART, RS232, S/PDIF And front OUT
- RoHS Compliant
- Dimension: 25 mm x 65 mm

### Outline



### Applications

- Wi-Fi IP Webcam
- Wi-Fi Access Point
- Wi-Fi Speaker