

Wi-Fi Module

Wi-Fi iAudio(Airplay/DLNA) Module

WFM-210

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 up to 4.5Mbps (24bit/192kHz), the biggest advantage in the ability for loss free streaming media transmission bandwidth and network. Also 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-210 Serial Wi-Fi Audio module can also be used for constructing the wireless network security monitoring, intelligent wireless audio, wireless intelligent household appliances. Support 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-210 can realize two devices point to point direct, and also can through Wireless routing network.

WFM-210 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.

Features

- Support IEEE 802.11 b/g/n Standard
- Built in IPEX compatible antenna
- 32MB DDR1
- 8MB SPI Flash(16MB optional)
- Ethernet Interface: 10/100M Ethernet
- Support host interface: USB 2.0 or UART
- RoHS Compliant
- Dimension: 32 mm x 27 mm

Outline



Applications

- Wireless intelligent audio
- Wireless intelligent portable speaker
- Wireless intelligent router and music player
- Wireless home entertainment center