

### APPLICATIONS

- **Wireless speaker**
- **Google Cast speaker**
- **Spotify Connect speaker**
- **AirPlay speaker**
- **Wireless audio adaptor**

### OVERVIEW

Minuet is a complete hardware, software, and services solution targeted at high performance wireless speaker products incorporating Google Cast, Spotify Connect, AirPlay and other streaming services. It provides the simplest and lowest-cost solution for high-quality audio streaming over Wi-Fi and Bluetooth.

Minuet enables multi-room and remote control over Wi-Fi with the UNDOK™ app, part of Frontier Silicon's versatile and easy-to-use UNDOK ecosystem.

Minuet has been designed as part of a complete system including Frontier's NetworkSound SDK and the Speaker reference platform.

Based around a powerful SoC processor, Minuet streams audio from a range of cloud-based content providers and local sources, enabling stand-alone audio products.

For evaluation, Frontier Silicon provides a Minuet speaker reference platform, enabling rapid development of Minuet-based products.

Frontier provides regular updates to Minuet's NetworkSound (NS) software, introducing new features and services. These can be distributed to existing end-user products in the field where appropriate.

### KEY FEATURES

- Dual band 802.11ac Wi-Fi supporting 2.4 GHz and 5 GHz bands
- Google certified chip-set
- Multiple audio interface – I<sup>2</sup>S, SPDIF, Analogue audio outputs
- Single voltage input
  - lowest R-BoM
- Full system control – eliminates the need for external controllers
- On module control for external EQ / DSP
- UNDOK iOS / Android app support
- Compact form factor
- Fail-safe software upgrade facility
- Background update support
- Fully qualified / certified reference designs available

### SOURCES\*

- Google Cast
- AirPlay
- Spotify Connect
- Internet Radio
- Bluetooth
- Aux In

### EXTENSIBILITY

- Minuet multi-room
- Background updates keeping products up-to-date
- Connected home compatible
- Microphone support
- On-board programmable DSP
- Compatible with off-module coprocessors
- External components upgradeable, including DSP.

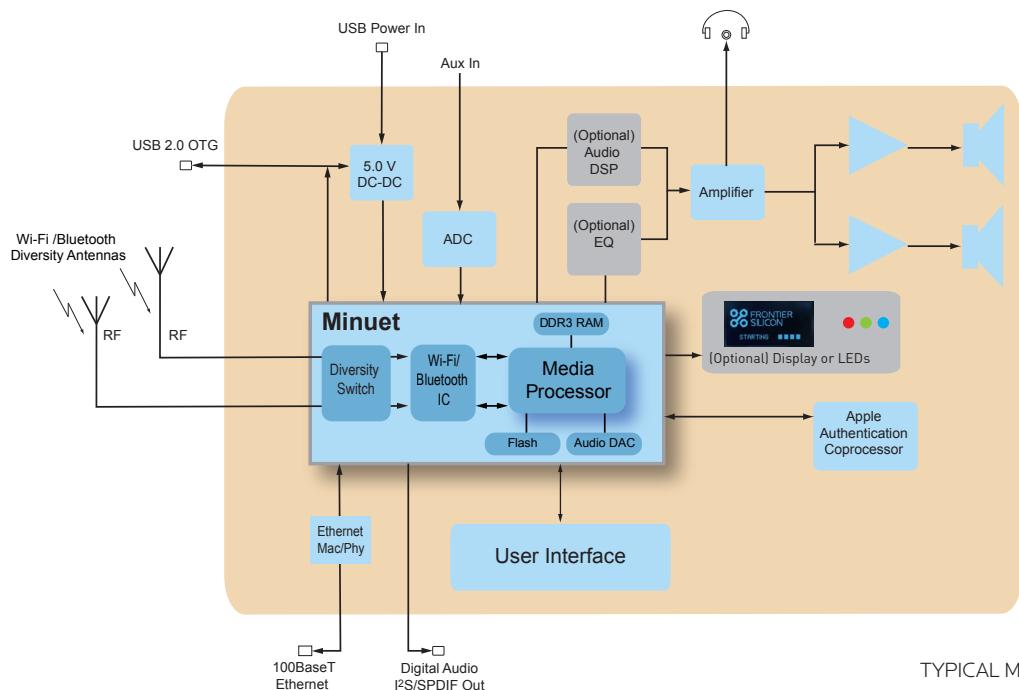
### CONNECTIVITY

- 802.11a/b/g/n/ac
  - WEP, WPA, WPA2 security
- 1 x 1 switched diversity antenna support
- Bluetooth 4.2 and LE
- USB 2.0 full speed device/host
- Support for off-module Ethernet

\* Further sources coming soon

# MINUET FS5332

Wi-Fi/Bluetooth Audio Streaming Module with Google Cast/Spotify Connect/Airplay/  
Internet Radio



TYPICAL MINUET APPLICATION

## SERVICE SUPPORT

Minuet is supported by Frontier's extensive service & development expertise and dedicated support team. Constantly developing our product and introducing new features, we provide regular software updates and have an extensive roadmap of new software to deliver over the product's lifetime. Our versatile control app, UNDOK, provides interoperability with an expanding ecosystem of networked audio devices.

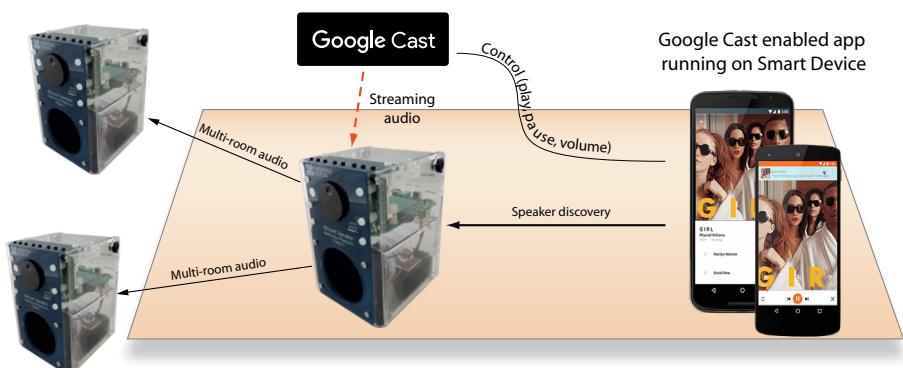
## STANDARDS AND CERTIFICATION

Minuet is designed to meet and exceed international standards for networked environments. The Minuet Speaker platform is tested to comply with EN55020, EN55013, CE (ETSI) and FCC (part-15) to assist suitable end-products based on this platform to obtain certification for industry standards; such as CE approval, FCC, and Wi-Fi Alliance certification.

For more information, contact Frontier Silicon.

## MULTI-ROOM

Minuet supports Google Cast multi-room as well as our own UNDOK multi-room for all other audio sources (AirPlay, Spotify Connect, Bluetooth, Aux, Internet Radio).



USE CASE : GOOGLE CAST MULTI-ROOM WITH MINUET



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Specifications are subject to change without notice.

  
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