

Amp'ed UP Wi-Fi Stack

Proprietary embedded Wi-Fi Stack

Amp'ed UP Wi-Fi stack is our fully integrated, proprietary stack that enables embedded Wi-Fi capability, utilizing a small memory footprint.

Amp'ed UP Wi-Fi stack supports STA, Soft AP, HotSpot 2.0, and Wifi Direct. It also supports concurrent mode STA and Soft AP to enable complex connectivity scenarios.

It supports multiple APIs and ecosystem designs, such as Amazon Alexa, Thread, etc, for easy IoT system integration.

Benefits

- Small memory footprint for IoT application
- Support multiple security modes
- Support multiple Wi-Fi features
- Fully integrated with ACH MCU product line
- Easy integration with multiple APIs and ecosystem

Features

Stack feature

- Wi-Fi Direct
- Soft Access Point
- Wi-Fi and Soft AP Concurrent operation
- Hotspot 2.0

Security Support

- 802.11 WPA /WPA2
- Personal & Enterprise
- WAPI and WEP (40/104)
- Weak Key Avoidance
- CCX v4 Client Security

