Building A Custom Linux Single Board Computer Just To Play Spotify

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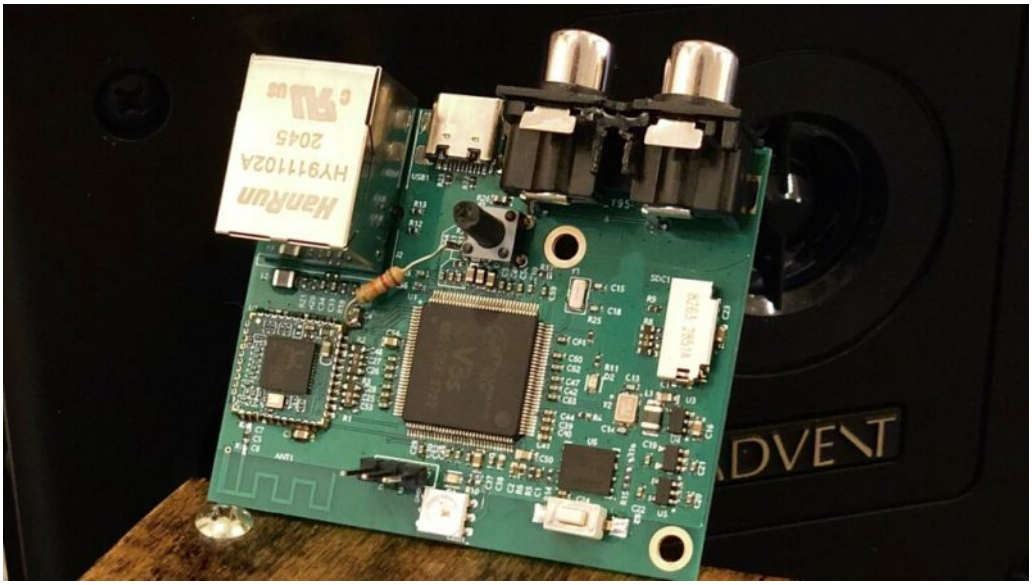

Housed inside a tidy little wooden enclosure of his own creation, the Spotify Box can turn any amplifier into a remote-controlled Spotify player via Spotify Connect. Pick the songs on your smartphone, and they?ll play from the Spotify Box as simple as that.

The project is based on the Allwinner V3S, a system-on-chip with a 1.2GHz ARM-Cortex-A7 core, 64MB of DDR2

RAM, and an Ethernet transceiver for good measure. There?s also a high-quality audio codec built in, making it perfect for this application. It?s thrown onto a four-layer PCB of [Evan?s] own design, and paired with a Wi-Fi and BlueTooth transceiver, RJ-45 and RCA jacks, a push-button and some LEDs. There?s also an SD card for storage.

With a custom Linux install brewed up using Buildroot, [Evan] was able to get a barebones system running Spotifyd while communicating with the network. With that done, it was as simple as hooking up the Spotify Box to an amp and grooving out to some tunes.

[4]

GNU Linux Hardware

Source URL: http://www.tuxmachines.org/node/155955

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