

## Franklin A50 Specifications

The cellular modem is the primary consideration for any mobile hotspot device and the A50 utilizes Qualcomm Snapdragon X62 - a modern and good-performing modem that is found in many flagship-level devices in 2022 & 2023. It's nice to see the modem come to more entry-level devices like the A50.

The X62 is a "5G Phase 2" modem, which means it supports features and technologies that make it more future-proof than older designs like the X55.

Here are the cellular bands the A50 supports:

The Franklin A50 Mobile Hotspot for AT&T

- **Sub-6GHz 5G:** n2, n5, n12, n14, n30, n66, n77
- **mmWave 5G:** None
- **4G/LTE (Cat-19):** 1, 2, 3, 4, 5, 7, 12, 14, 20, 29, 30, 48 and 66

This includes all of AT&T's LTE and sub-6GHz 5G bands, including mid-band n77. The FCC filing for the device shows that it will support AT&T's subset of n77 called "Andromeda" which is in deployment this year and will be a very important part of AT&T's 5G network going forward.

As we've advised in the past, it's worth getting 5G devices that will support this Andromeda spectrum to ensure better performance, coverage, and full compatibility with AT&T's network.

## Connectivity Options

Like every mobile hotspot device, the A50 supports USB tethering to a computer or compatible router to share the internet connection with other devices. A USB-C 3.0 port provides a data connection as well as power.

For Wi-Fi, the A50 supports Wi-Fi 6 (802.11ax), which is the current standard for Wi-Fi support in 2023. It supports both 2.4GHz and 5GHz frequencies with a guest network for both. The A50 can support up to 20 Wi-Fi clients.

## Franklin A50 Specifications

### Battery and Charging Options

The A50 has a 5000mAh removable battery with a claimed usage time of up to 24 hours and a standby time of up to 6 days.

The hotspot can also be used to charge other devices, acting as a battery bank.

### No Antenna Or Ethernet Ports

The A50, unlike some flagship 5G mobile hotspot devices, does not include external cellular antenna ports or an Ethernet port.