



WB200

Plug-n-Play Wingbits ADS-B Flight Tracking Station

The WB200 is a ready-to-use and easy-to-install Wingbits Flight Tracking Station based on a proven Software-Defined Radio (SDR) architecture. The SDR subsystem is capable of efficiently tracking Automatic Dependent Surveillance-Broadcast (ADS-B) from aircraft with high-reliability and at long-range. The all-in-one rugged weather-proof WB200 device communicates to the Wingbits decentralized network via built-in Wi-Fi or wired Ethernet communications. A self-contained multi-band GNSS module and AES-128 crypto chip provide a robust Proof-of-Location and anti-gaming mechanism.

DEVICE SUMMARY:

- Connect to the Wingbits network and get rewarded for tracking flights
- All-in-one package weather-proof package is easy to install outdoors
- No software configuration required
- Multiple Internet connectivity options
- Receives on 1090 MHz for ADS-B via an on-board Software Defined Radio (SDR)
- Power Supply supports wide-range of international AC plugs
- Future software upgrades for RemoteID Drone Tracking

Specs

ADS-B	1090MHz ADS-B Software Defined Radio Standard +5dBi Fiberglass Antenna Included ADSB Antennae port for custom antenna installation (sold-separately)
Drone Remote ID	Future Upgrade
AIS	Future Upgrade
GNSS	Multi-Band GPS, GALILEO, BeiDou, GLONASS
Communications	
Ethernet	10/100Base-T (RJ45)
Bluetooth	Class 4.2, Class 1,2 and 3 Transmitter
Wi-Fi	2.4GHz 802.11 b/g/n and 5GHz 802.11ac
4G/LTE	Optional MiniPCle
WebUI	Custom Device Configuration
Firmware Upgrade	Automatic, OTA
Operating System	Linux

Physical & Electrical

Size & Weight	D159mm*H94mm, 520g
Power	12V, <5W
Power Supply	120V-240VAC, selectable international plug faceplate

