



Improved Flight Tracking with ADSB SUPPORT

By installing a dedicated ADS-B receiver, highly useful data can be provided for tracking air and ground movements relevant to your operation

- On/Off block times
- Take-off/Landing times
- Taxi movements
- Parking locations
- Local traffic

The ADS-B network solution is specifically made for short-range, high-precision flight tracking and collection of precise ground data. The aviation-grade ADS-B receiver is produced in compliance with the AS9100(Aerospace standard) and utilises a built-in cavity filter, which can significantly reduce frequency interference from other sources such as cellular networks, wifi, or radar



Security

The ADS-B network solution is compliant with ISO27001/27002 (cybersecurity). Public access to the network is not possible and data is delivered to a secure redundant ADSB SUPPORT server.

Proprietary information

The ADS-B network solution is owned and operated by ADSB SUPPORT. All issues regarding ADS-B network management, updates, monitoring, and equipment are handled by ADSB SUPPORT

Installation

Setup of the ADS-B hardware is a easy process, and in most cases can be self-installed, otherwise ADSB SUPPORT or an ADSB SUPPORT approved subcontractor can handle the installation.

Environmental compliance

ADSB hardware is made by ADSB SUPPORT in compliance with WEEE environmental regulations

Certifications

- CE
- FCC
- CAN ICES-003(B)
- EN IEC 62368-1:2020+A11:2020
- ESTI EN 300 440 v2.2.1 (2018-07)
- ESTI EN 301 489-1 V2.2.3 (2019-11)
- ESTI EN 301 489-3 V2.3.2 (2023-01)

Reset Button

One press: Activates the OLED screen and displays current information about the receiver
Hold for 10 seconds: Reboots the receiver.

Technical specifications

- External power supply input: 100-240V \approx 5 watts operating consumption
- ADS-B antenna input impedance: 50 Ω , SMA connector
- ADS-B antenna surge protection (external: max. surge discharge current 10 kA (8/20 μ))
- ADS-B antenna: Amphenol Procom CXL 1090-1 LW designed for ADS-B surveillance
- ADS-B hardware & software: Designed and engineered by ADSB SUPPORT
- Hardware platform: Raspberry PI 4 BCM2711B0 quad-core A72
- Ethernet type: 10/100/1000 Mbps - RJ45 connector
- ADS-B receiver: 21 x 17 x 8 cm aluminium box



Traffic LED
Power LED
Reset button
OLED Screen



Ground connector
5V Power Connector
RJ45 Network Connector
ADS-B Antenna Connector