ADSB Support
Nimbusvej 9
DK-7190 Billund
adsbsupport.com

Flight Tracking
VIA ADS-B NETWORK SOLUTION

With a dedicated ADS-B network solution covering an airport, highly useful terrestrial data can be provided for tracking ground movements:

- On/off block times
- Take-off/landing times
- Parking locations
- Taxi movements

The ADS-B network solution is specifically made for short-range, high-precision flight following and accommodates the most optimal collection of terrestrial data. The industry-grade ADS-B receiver utilizes a special filter, which can filter out frequency interference from other sources, such as cellular networks etc.

Proprietary Information

The ADS-B Network Solution is owned and operated by ADSB Support. All issues regarding ADS-B network manage-mentt, ADS-B network updates- and monitoring and faulty equipment are handled by ADSB Support.

Certifications
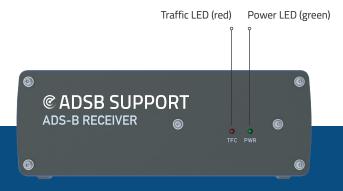
- CE
- FCC

Environmental compliance

Disposal of the ADS-B network solution is made by ADSB Support in compliance with WEEE environmental regulations.

Security

The ADS-B network solution utilizes security levels comparable to other industry standard security solutions based on a hardened Linux operating system. Public access to the network is not possible and data is delivered to a secure, redundant ADSB Support server (plug'n'play security). ADSB Support will cooperate with you as an ADS-B network solution partner on any security-related issues.

Installation

Installation of the ADS-B network solution is made by ADSB Support or an by ADSB Support appointed subsidiary.

Traffic LED (red)　Power LED (green)

ADSB SUPPORT
ADS-B RECEIVER

TFC　PWR

Technical specifications

Hardware

- External power supply 100 ~ 240V, approx. 5 watts operating consumption
- ADS-B antenna input impedance 50 Ohms, N type connector
- ADS-B antenna surge protection (external), max. surge discharge current 10 kA (8/20 μs)
- GPS active antenna with 5V DC power, N type connector
- Hardware platform Linux SBC Beaglebone Black
- Processor 32-bit Cortex A8, Texas Instruments AM3358 Sitara, CPU speed 1 GHz
- On board Flash memory 4 GB eMMC
- On board RAM 512 MB DDR3L
- Ethernet type Cat. 5e, 10/100BaseTX RJ45 connector

RJ45 network connector

100 - 240V Built in Power Supply

100-240V
50/60Hz 0.11A IN

GPS
ANTENNA　LAN　ADS-B
ANTENNA

GPS antenna connector

ADS-B antenna connector