Overview

pingEFB is the first purpose-build ADS-B (Automatic Dependent Surveillance – Broadcast) receiver to be compatible with the innovative Stratux project, a full featured, homebuilt ADS-B platform. Easy to assemble from off-the-shelf hardware, and compatible with a wide variety of Electronic Flight Bag (EFB) applications, Stratux has a passionate community of users and developers.

Features

- Dual-link ADS-B In on both 978 MHz (UAT) and 1090 MHz, requiring only a single USB port on the Raspberry Pi
- Receives traffic and weather information
- Considerable power savings over competing solutions, dramatically extending battery life and decreasing cooling requirements
- Integrated antenna allows for simple remote mount installation
- Meets or exceeds all receive performance requirements specified by ADS-B standards (DO-282B and DO-260B)
- Offloads processing to the uAvionix exclusive Ping silicon, considerably reducing demands on the host CPU
- US Patents Pending

Technical Specifications

Specification	Value
Input Voltage	5V
Power	300mW
Size	34x19x8mm
Weight	5 grams
Connector	Micro-USB
Receive	
MTL 1090MHz	-88dBm
Dynamic Range	-79 to 0dBm
MTL 978MHz	-93dBm
Dynamic Range	-90 to -3dBm
Interface	
• Raw AVR on USB Serial at 2 Mbps (1090ES, UAT downlink, UAT uplink)	

Quality Standards and Procedures

Designed and assembled in the USA, HALT and HASS tested, IPC-610 class II soldering, production functional testing. Meets the MOPS of DO-282B and DO-260B.

Electrical Specification

Mating Connector: Micro-USB

Mechanical Specification