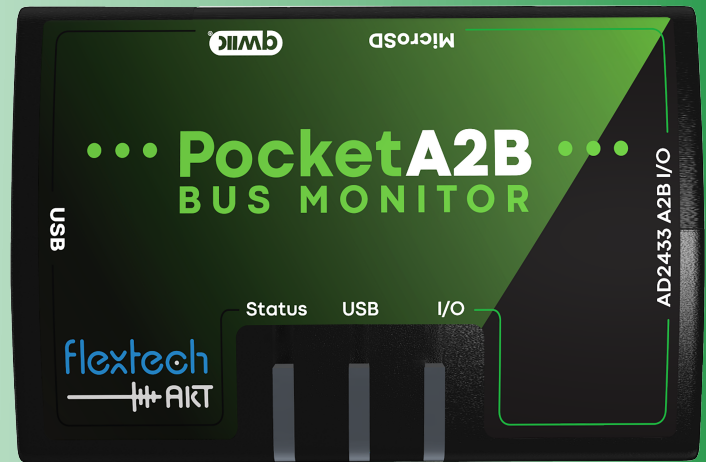


Pocket A²B Bus Monitor™

The ideal tool for debugging and monitoring traffic on your A2B system

High performance bus monitoring solution in a small, portable package. Benefit from fast, interactive, real-time visibility into the protocol layer of your embedded A2B system. Capture all I2C, SPI and Audio traffic in real-time.



Features



Real-Time Non-Intrusive A2B Bus Monitoring

- Supports AD243x & 242x monitor
- Capture all I2C and SPI bus activity
- SD Card for activity and data logging
- Option for Autonomous start up
- Small, light-weight, status LEDs



Graphical User Interface GUI

- Real-time display, search, and filtering of captured A2B data
- No annual license fees
- Bit-perfect capture and timing
- Capture I2C and SPI traffic
- Cross-platform support for:
 - Windows. Linux



Support & Resources

- One-time purchase
- Firmware updates
- Detailed Quick-Start User Guide
- One year warranty
- Flextechakt.com



USB Bus Powered

- Portable
- No extra power adapters needed

Real-Time Visibility

- See data displayed in real-time
- Trace logging all communications and audio
- Capture and record I2C, SPI and audio streams on to SD Card for play back and analysis
- Installs as a sound-card on PC for use with Digital Audio Workstation (DAW) programs, like Audacity and Reaper

Applications

A2B Bus monitoring on Infotainment and Audio Systems

Head Unit

ANC Systems

Voice Assistants

RNC Systems

E-Call A2B

Remote Tuners

Amplifier

Accelerometer

A2B Microphones

Pocket Automotive Audio Bus (A2B) Bus Monitor

Specifications

Software

Graphical User Interface (GUI) Software -

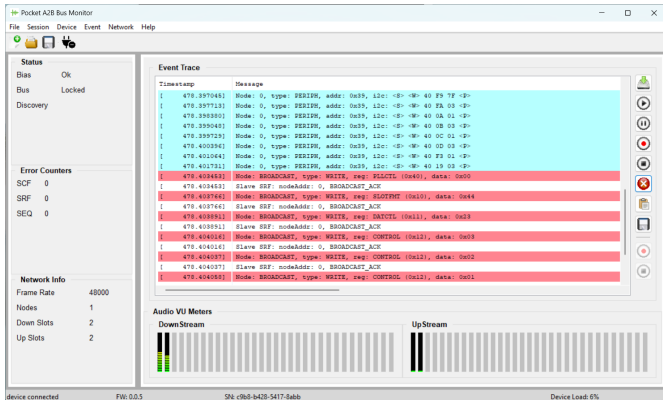
An included bus monitoring software application that displays captured A2B frames and I2C, SPI message traffic.

Graphical VU meters monitor and display Audio channels

Route and play audio channels to speakers

Operating Systems Supported (32-bit and 64-bit)

- Windows 10, 11
- Linux: Ubuntu 22.04



GUI

Hardware

Pocket Bus Monitor with Standard USB UAC 2.0 Interface

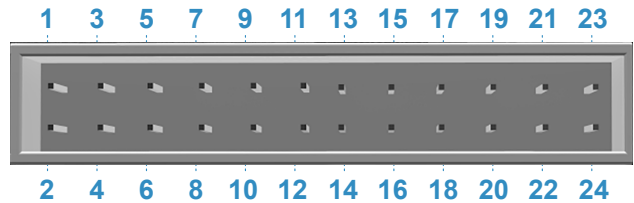
Target Data Monitoring

AD242x Transceiver & AD243X Transceiver

Cross-Over board with DuraClick sockets for direct connect to ADI Evaluation boards

24 PIN I/O connector harness with A2B and 2 GPIO lines

Pocket Bus Monitor I/O Header JST 24B-PHDSS



For more details on Pin Out see User Guide

DC Characteristics

Target Power: USB +5V, mA max

GPIO Signal: 3.3V, 10 mA

Dimensions (W x D x L)

68 x 43 x 25 mm (2.7" x 1.8 x 1")

Weight

64 g (0.14 lbs)

Operating Temperature

0° C to 70° C (32° C to 158° F)

Ordering Information

A2B Bus Monitor

Part Number AKT-1500

Country of Origin USA

HTS 8473.30.1180

ECCN EAR99