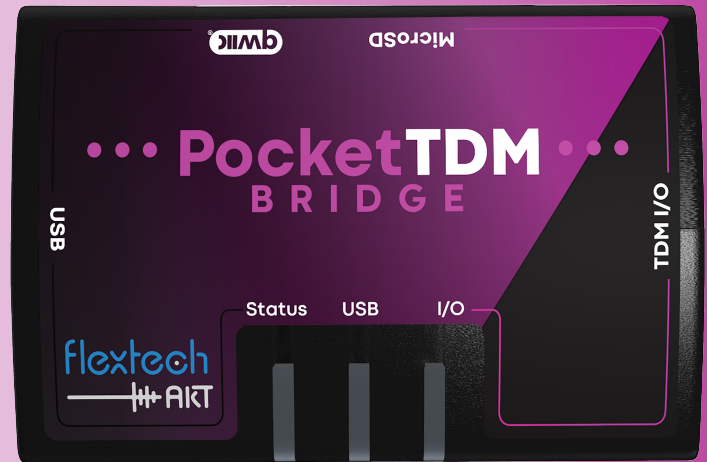


Pocket TDM Bridge™

Ideal tool for testing any Digital Audio device with a TDM/I2S interface.

USB interfacing and configuration of any chip-level TDM audio signals for transmit or receive testing. Effortlessly set up Mclk, Fs, and Bclk for TDM/I2S serial ports, and route any TDM audio channels in or out of USB audio for recording and analysis.



Features



Superior Performance

- Precise TDM/I2S signal configuration and alignment
- Clock Generation for low skew and jitter
- Bit perfect audio over TDM, USB
- Supports 32 in x 32 out up to 32 bit audio USB channels
- Flexible real-time audio routing over USB, Wav and TDM
- 10 TDM I/O (5 pairs) up to 160 16bit channels



Streamlined Setup

- Built in Signal Generators route to any TDM audio channels
- Built in VU meters
- Compatible with ADI A2B transceivers for bus configuration and discovery
- Micro SD card for TDM audio Wav file record /playback or self boot
- Includes flexible harness kit to interface TDM I/O, I2C, SPI and GPIO signals



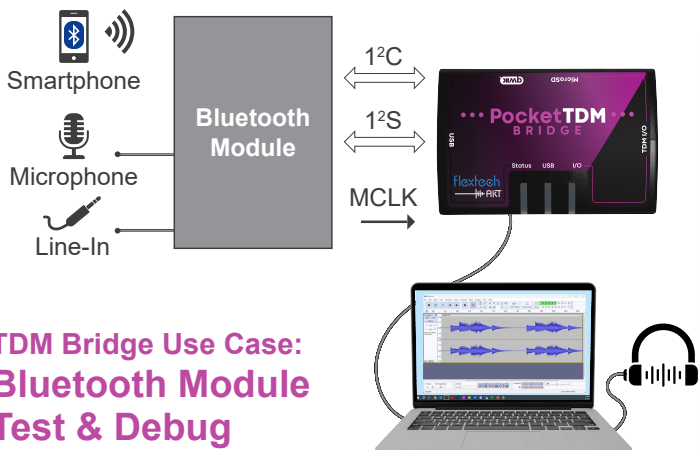
Support & Resources

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



USB Bus Powered

- Portable
- No extra power adapters needed
- Small, light-weight
- Status LEDs



Applications

Audio Integrated Circuit (IC) testing: direct TDM/I2S signal debugging/testing: DSP, CODEC, ADC, DAC, AMP, BT

Demonstration: Route USB Audio to any TDM audio device channel for playback.

SD Card: Record TDM to Wav File, or Playback Wav to TDM

Bridge to DSIO interface on hardware audio analyzer (Ap, other)

Pocket TDM Bridge

Specifications

Software

Built in command line interface over Terminal Emulator (Tera Term) for easy set up

Available advanced scripting for automation of commands for test configuration, self boot

Command and Control API to support test platform level integration via Python, C, C++

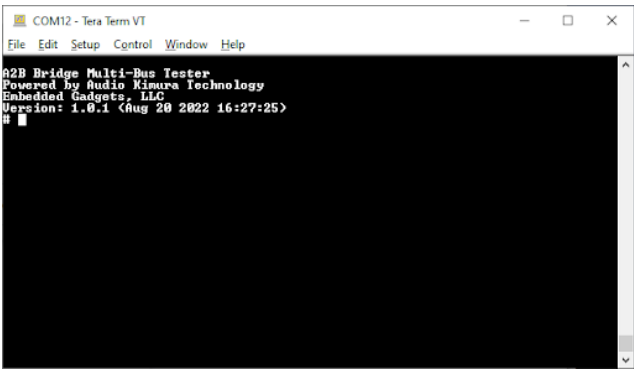
Graphical VU meters monitor to display Audio on any TDM channels

Route and play audio channels to:

- Any USB audio channel to any TDM Tx/Rx
- SD Card for TDM Wav file playback or record
- USB channels on PC for recording, analysis and playback from any DAW program

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

- Windows 10, 11
- Linux: Ubuntu 22.04

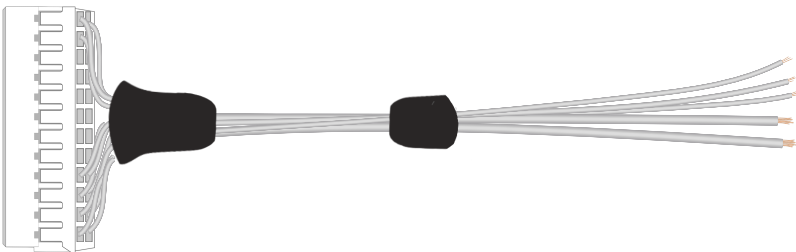


Tera Term

Hardware

Pocket TDM Bridge with Standard USB UAC 2.0 Interface 24

PIN I/O Connector Header Harness Kit with 12 signal wires



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

Pocket TDM Bridge

Part Number	AKT-2000
Country of Origin	USA
HTS	8473.30.1180
ECCN	EAR99