

Features

- Easy integration for miniSHARC 2x8/8x8 platforms
- High quality Neutrik XLR

Hardware

- Cirrus logic CS4272
- Balanced Inputs and outputs on XLR Neutrik connectors
- Jumpers for 2V/8V input level
- USB type B connector to header

Software Control

- Plug & Play discovery on miniDSP platforms with matching the correct sample rate (miniSHARC)

Power

- Powered from single header on connector#2

Applications

- miniSHARC I/O expansion
- DIY audio projects
- Custom Pro-Audio projects

The AN-FP is an Analog to Digital (ADC) and Digital to Analog (DAC) I2S interface providing digital audio input & output connectivity for miniDSP miniSHARC platforms. Based on the high quality Cirrus logic codec (CS4272), the board is compatible and self configured on miniSHARC platforms. Connection for both balanced audio inputs and outputs are on 3pin XLR Neutrik connectors.

A USB connector is provided for easy front panel configuration and connectivity to the main board. This USB connection is for control only (no audio streaming).

**SYSTEM DIAGRAM**

Item	Description
Analog audio inputs	2 x XLR Neutrik balanced audio connectors Fully balanced output
Analog audio outputs	2 x XLR Neutrik balanced audio connectors Fully balanced output
Sample rate converter	Up/Down sample digital audio input signal to the correct plug-in sample rate (48/96kHz) based on running configuration (4x10/10x10)
Data resolution	Up to 24 bits
Dynamic range	Analog in to I2S: 105dB Max balanced input level 2Vrms balanced (jumper closed) 8Vrms balanced (jumper opened) I2S to Analog OUT: 105dB Max balanced output level 2Vrms balanced
Maximum Input Sample Rate	Up to 192kHz, depending on the plug-in configuration
USB port type B	USB port for external connectivity. Link to 5pin header on connector #2
Power supply	5V supply
Dimensions (H x W x D)	125mm x 53mm