MAGEWELL

Pro Convert Audio DX Technical Specifications

Specifications are based on current hardware, firmware and software revisions, and are subject to change without notice.

Revised on 29/12/2022

Receiving/Input Features

- Support for sample rates of 96/48/44.1 KHz, and 16/24bit sample depth
- 1 x 2-channel 3.5mm TRS unbalanced in (5k Ohm)
- 1 x 2-channel 4.4mm TRRRS balanced in (20k Ohm)
- 1 x 4-channel 24-bit/48k USB Audio Class in
- Receiving 1 x 8-channel 24-bit Dante® streams
- Receiving 1 x 4-channel 16-bit SRT network audio stream
- Receiving 1 x 4-channel 16-bit NDI® network audio stream
- Support for PTP master/slave
- Total harmonic distortion < 0.01% @ +4dBu
- Frequency Response 20Hz ~ 20kHz (-/+0.5dB)
- Signal to noise ratio > 100dB
- Dynamic range > 100dB
- Max signal level: unbalanced at 12dBu, balanced at 24dBu

Transmitting/Output Features

- Support for sample rates of 96/48/44.1 KHz, and 16/24bit sample depth
- 1 x 2-channel 3.5mm TRS unbalanced out (10 Ohm)
- 1 x 2-channel 4.4mm TRRRS balanced out (150 Ohm)
- 1 x 4-channel 24-bit/48k UAC out
- Encoding 1 x 8-channel 24-bit Dante® streams
- Encoding 1 x 4-channel 16-bit SRT network audio stream
- Encoding 1 x 4-channel 16-bit NDI® network audio stream
- Encoding 1 x 4-channel 16-bit RTSP network audio stream
- Support for PTP master/slave
- Total harmonic distortion < 0.01% @ +4dBu
- Frequency Response 20Hz ~ 20kHz (-/+0.5dB)
- Dynamic range > 100dB
- Signal to noise ratio > 100dB
- Max signal level: unbalanced at 12dBu, balanced at 18dBu

Configuration Management

- Support for Dante Controller, providing signal routing and configuration
- Registration with Magewell Cloud
- Remote control via WebUI and Magewell Cloud
- Provision of comprehensive information regarding the device and signals in real-time
- Configuration of how an input is processed and encoded, including sampling, packets, PTPv2 (IEEE 1588–2008), volume setting, audio matrix, buffer, as well as the network connection
- Support for updating firmware
- Support for USB NET
- Support for IE/Edge/Firefox/Chrome/Safari/Opera web browsers
- Provision of HTTP APIs

Interfaces

- 10/100/1000Mbps with PoE (IEEE 802.3af)
- USB2.0 Type B
    - 5V/2.1A power supply

    - USB NET
- 3.5mm TRS unbanlanced IN/OUT
- 4.4mm TRRRS banlanced IN/OUT

LED Indicators

- Power LED indications:
    - on: power on
    - off: power off
- PTP LED indications:
    - on: synced
    - off: not synced
    - blinking: syncing

Form Factor

- 100.9mm (L) x 60.2mm (W)x 23.3mm (H)

Accessories

- 4.4mm to Dual XLR Male Cable
- 4.4mm to Dual XLR Female Cable
- USB 2.0 cable (Type A to Type B)
- Universal power adapter
- L bracket

On-board Control Buttons

- 16 Position Rotary DIP Switch: set board-index from 0 to F

Screw Mounting Hole

- ¼–20 threaded hole

Power Consumption

- 5V max current: ~ 1 A
- Max power consumption: ~ 5 W

Working Environment

- Operating temperature: 0 to 40 deg C
- Storage temperature: –20 to 70 deg C
- Relative humidity: 5% to 90% non-condensing