128 ch. Ravenna/AES67/ST 2110-30 Interface Card

Introduction.

The 128 ch. Ravenna card is aimed for AoIP connectivity into Ravenna, AES67 and ST 2110 ecosystems. The Card has two RJ45 network ports providing AoIP connectivity to an IP based Ethernet with selectable sample-rate conversion on inputs and outputs. The two ports are setup as a switch, or they can be configured for Seamless Protection Switching on redundant networks.

The Card provides a high performance media transport that is tightly, deterministic, and low latency for Networked I/O end-points, and supports industry standard discovery, registration and orchestration, both on a dedicated Ravenna defined network, and on open and interoperable AES67 or ST 2110 based network systems.

Features

- 128 channels in and out @ 44.1 and 48kHz (1FS)
- Sample rates: 44.1 to 384Hz
- Channel count scales down with the sample rate.
- Up to 64 RAVENNA/AES67 streams
- Support for ST 2022-7 Seamless Protection Switching
- Synchronisation to PTP Network clock or internal system clock
- PTPv2 Master or Slave, IEEE-1588-2008 standard
- Industry standard AES67 and ST 2110 compatible
- NMOS IS-04 and IS-05 support
- Discovery, Configuration and control via WebUI, NMOS, Ravenna, SAP, ANEMAN and JSON API
- Sample Rate Converter on input and output port which can be selected jointly
- Latency on Sample Rate Conversion
  In: 48->96 and 96->48: Approx. 0,8ms
  Out: 48->96 and 96->48: Approx. 1,1ms

- SKU: CARD-RAVENNA