

General

- Multi-channel audio processor
- Rear panel AES, analog, MADI, tieLight I/O
- 3k x 3k cross-point audio router
- Front panel headphone jack
- Expandable by hardware option boards
- Versatile audio processing via licensed algorithms

Audio Sample Rate

- 48kHz
- +/- 150ppm sync input capture, +/- 25ppm master-sync stability

AES/EBU Inputs

- Relevant specifications comply with AES3-X-2009, IEC 60985, and AES11-2009
- 4 stereo channels (4 or 2 channel inputs switchable) on D-Sub 25 connector
- 24-bit transparent forwarding of PCM and compressed audio without optional SRC (sample rate converter)
- 24-bit PCM with SRC activated
- Impedance = 75Ohm single-ended
- Input level = 0.3 ... 5Vpp @ 75Ohm single-ended
- Sample Rate Converter (SRC) = THD+N -120dB @ 0dBFS, 1kHz, latency <0.3ms

AES/EBU Outputs

- Relevant specifications comply with AES3-X-2009, IEC 60985, and AES11-2009
- 4 stereo channels (4 or 6 channel outputs switchable) on Sub-D 25 connector
- 24-bit transparent forwarding of PCM and compressed audio
- Impedance = 75Ohm single-sided
- Output Voltage = 1Vpp (typical) @ 75Ohm single-ended
- Power fail relay bypass between AES/EBU inputs and outputs (can be deactivated by internal jumper)

SFP Sockets

- SFP spec, for MADI or tieLight, not for network

SFP MADI Module

- SFP spec, typically 125MBps

SFP tieLight Module

- SFP spec, typically 2.5GBps

Sync Input

- Multi-standard synchronization interface for AES/EBU, Wordclock, or video sync (including black burst and tri-level); complies with AES11-2009 and relevant audio or video standards.
- Connector type = BNC
- AES/EBU Input = 0.3 ... 5Vpp @ 75Ohm single-ended
- Wordclock input = 1 ... 5Vpp @ 75Ohm single-ended
- Video-sync input = 1Vpp (nominal) @ 75Ohm single-ended
- Supported rates = 23.975, 24, 24.975, 25, 29.97, 30, 49.95, 50, 59.94, and 60 fps (SD and HD)

Network Interfaces

- 4x RJ45 connectors, 1Gbit/s Ethernet auto sense, full duplex

USB Interfaces

- Front and rear USB A 3.0 connectors
- Internal USB A 2.0 (for license keys)
- Rear USB 2.0 connectors

Expansion Slots

- 4 general-purpose expansion slots for Jünger Audio Option Boards

Power Supplies

- Dual power supplies with automatic fail over
- 85 ... 264VAC, 50 ... 60Hz, 58W (max)

Environmental

- Operating temperature = 0 ... 50°C, fan cooled
- Non-operating temperature = -20 ... 70°C
- Humidity < 90% non-condensing

Physical

- 19" x 1RU, 27cm depth
- Net weight ca. 5kg

- Shipping weight ca. 7.5kg

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