

Modular Audio Router & Interface with 1 Expansion Slots



Introduction.

Penta 721S is an audio interface and router unit and is ideal as an audio interface and format converter for broadcast or media install applications. Penta721S has as standard 8 stereo AES3 inputs and outputs and one MADI input and output connection as well as a Dante module and a dual MADI and DADink module installed.

The DAD routing engine provides a 528x528 matrix where all inputs and outputs can be patched in any combination. In addition, a 256x32 channel summing processor is also available. One slot is available for an optional expansion card.

Features

- MADI I/O (64 channels at 48 kHz)
- AES3 I/O (16 channels at 48 kHz)
- Dante AoIP (64 channels at 48 kHz)
- Up to 128x128 channels I/O via optional card
- Up to 256x256 DADLink channels or 128x128 MADI or HotLink channels at 48 kHz via optional SFP modules
- 256x32 channel PRO | MON monitor control
- 28bit floating point processing
- Apple macOS and Windows compatible DADman control software
- Avid Eucon™ enabled devices via DADman
- Word Clock I/O, VBB sync input
- AES11 sync input
- 1 slot for expansion card
- SKU: PENTA721S-BASE

Options and Accessories

Cards: CARD-L8, CARD-M8, CARD-DA8, CARD-2SDI, CARD-8AES, CARD-2MADI, CARD-2MADI-SO, CARD-DANTE, CARD-RAVENNA

Modules: MOD-SFP-1300-LZ (DADLink)
MOD-SFP-1300-LD (MADI/HotLink)
MOD-SFP-COAX (MADI)



Specifications

Digital I/O and Synchronisation

Digital I/O formats/ Supported

sample rate: AES3 44.1 up to 384 kHz
MADI 44.1 up to 384 kHz
DADLink 44.1 up to 384 kHz
HotLink 48 kHz
Dante 44.1 up to 192 kHz

Latency: Internal system delay 7 samples, can be set between 3 and 31 samples,
All outputs are time and phase aligned

DADLink: 28bit floating point format
Latency zero samples.

Synchronisation:

Word Clock, Video Black Burst,
AES11
Dante, MADI, DADLink and HotLink

Network interface:

1000BASE-T, RJ45 connector,
4-pair connection

Electrical Specifications

Power Connection: Dual Power Input
Dual Power Supply

Max rating mains: 45 W

Input voltage: 90 – 260 VAC
100 – 240 VAC Nominal,
47 – 63 Hz

Mains fuse: Mounted in IEC connector
1 A, T1AH/250V

Mains connector: IEC 60309

Power consumption: Digital section 15W
DAD I/O Options max 15W

Weight and Environmental

Weight: 3.3 kg / 7.3 lbs.

Measures: 19" rack mount, 2RU/8.89cm
Chassis depth, 32 cm/ 12.6"
Body width, 43.5 cm / 17.2"

Operating
Temperature: 0 – 45 °C / 32 – 113°F

Fan. 1 x internal low noise fan

Humidity: 20 to 85%, non-condensing

EMC Compliance: EN 55103-1, EN 55103-2,
FCC part 15, Subpart B

Safety Compliance: EN 60950-1:2006