

500DA-AESU

Unbalanced AES Audio Distribution Amplifier (1x9)



The 500DA-AESU is a nine output reclocking and auto equalizing DA for unbalanced 75 Ω AES signals. The DA automatically equalizes up to 1500m of Belden 1694A coax and provides reclocked outputs with sampling frequencies of 32kHz, 44.1kHz, 48kHz and 96kHz. The 500DA-AESU card edge LED indicators provide quick and accurate assessment of the incoming signal integrity.

The 500DA-AESU is housed in the 3RU 500FR **exponent** frame that will hold up to 16 modules.

Features & Benefits

- Data reclocking provides jitter reduction
- VistaLINK[®] -capable for remote monitoring via SNMP (using VistaLINK[®] PRO) when installed in 500FR frame with 500FC VistaLINK[®] Frame Controller

Inputs

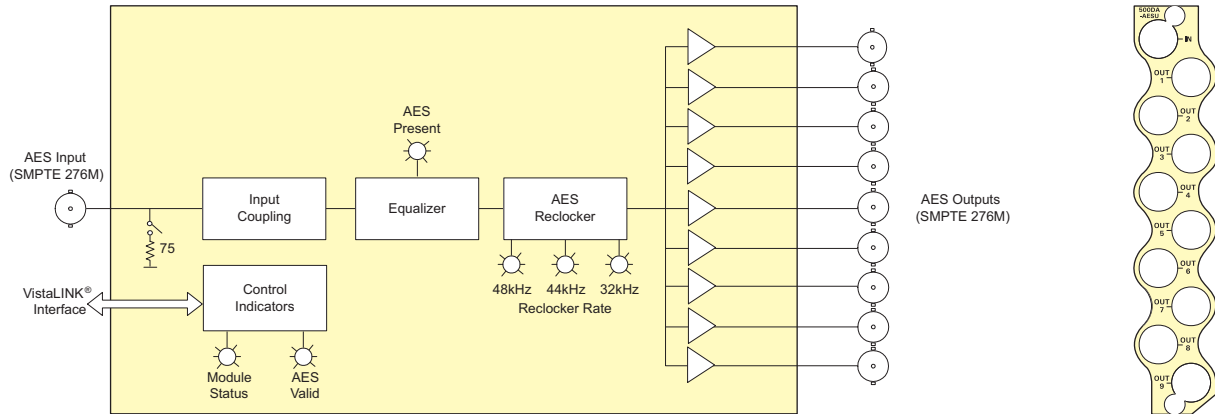
- SMPTE 276M standard for AES audio on 75 Ω coax
- EQ and reclock provide extended cable length compensation (> 1500m)
- Transformer coupled 75 Ω unbalanced input

Outputs

- Nine 75 Ω coax outputs

Card Edge LEDs

- Module Health Status
- Error LED indication for input PLL out of lock, parity error or biphas coding error
- Reclocker locked



Specifications

AES Input:

Standard: SMPTE 276M
Number of Inputs: 1
Connector: BNC per IEC 61169-8 Annex A
Input Level: 1V p-p
Coupling: Transformer
Input Impedance: 75 Ω
Return Loss: > 25dB 100kHz to 6MHz
Equalization: Automatic to 1500m with Belden 1694A (or equivalent) @ 48kHz AES signal
Sampling Frequency: 32kHz, 44.1kHz, 48kHz and 96kHz

AES Output:

Number of Outputs: 9 Unbalanced AES
Connector: BNC per IEC 61169-8 Annex A
Output Level: 1V p-p
Output Impedance: 75 Ω
Return Loss: > 25dB 100kHz to 6MHz

Physical:

Number of slots: 1

Electrical:

Voltage: +12V DC
Power: 4.51W
EMI/RFI: Complies with FCC Part 15 Class A
EU EMC Directive

Ordering Information

500DA-AESU Unbalanced AES Audio Distribution Amplifier (1x9)

Enclosures
500FR
S501FR

exponent
Compact High Density Distribution Frame
Standalone enclosure