

500DA-AESB

Balanced AES Audio Distribution Amplifier

The 500DA-AESB is a four output reclocking and auto equalizing DA for balanced 110 Ω AES signals. The DA automatically equalizes up to 300m of Belden 1800B cable and provides reclocked outputs with sampling frequencies of 32kHz, 44.1kHz, 48kHz and 96kHz. The 500DA-AESB card edge LED indicators provide quick and accurate assessment of the incoming signal integrity.

The 500DA-AESB 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

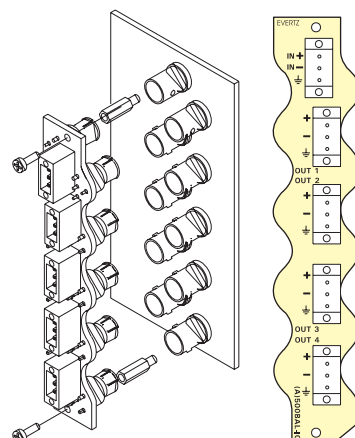
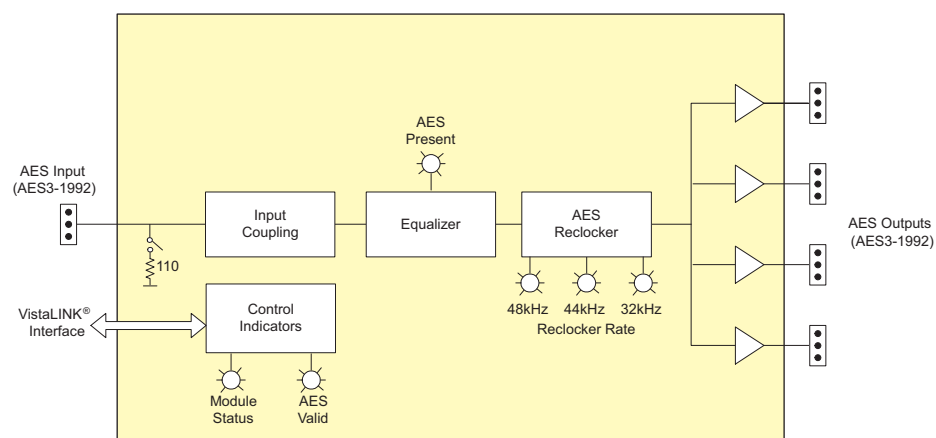
- AES3-1992 standard for AES audio on 110 Ω twisted pair cable
- EQ and reclock provide extended cable length compensation (> 300m)
- Transformer coupled 110 Ω balanced input

Outputs

- Four 110 Ω balanced

Card Edge LEDs

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



►Specifications

AES Input:

Standard: AES3-1992
Number of Inputs: 1
Connector: 3-pin removable terminal strip
Input Level: 2 to 7V p-p
Coupling: Transformer
Input Impedance: 110 Ω
Return Loss: > 14dB 100kHz to 6MHz
Equalization: Automatic to 300m with Belden 1800B (or equivalent) @ 48kHz AES signal
Sampling Frequency: 32kHz, 44.1kHz, 48kHz and 96kHz

AES Output:

Number of Outputs: 4 Balanced AES reclocked
Connector: 3-pin removable terminal strip (screwdown adapter module included)
Output Level: 5V p-p
Output Impedance: 110 Ω
Return Loss: > 30dB 100kHz to 6MHz

Physical:

Number of Slots: 1

Electrical:

Voltage: +12V DC
Power: 5W
EMI/RFI: Complies with FCC Part 15 Class A EU EMC Directive

►►►Ordering Information

500DA-AESB Balanced AES Audio Distribution Amplifier (1x4)

Enclosures
500FR
S501FR

exponent
Compact High Density Distribution Frame
Standalone enclosure