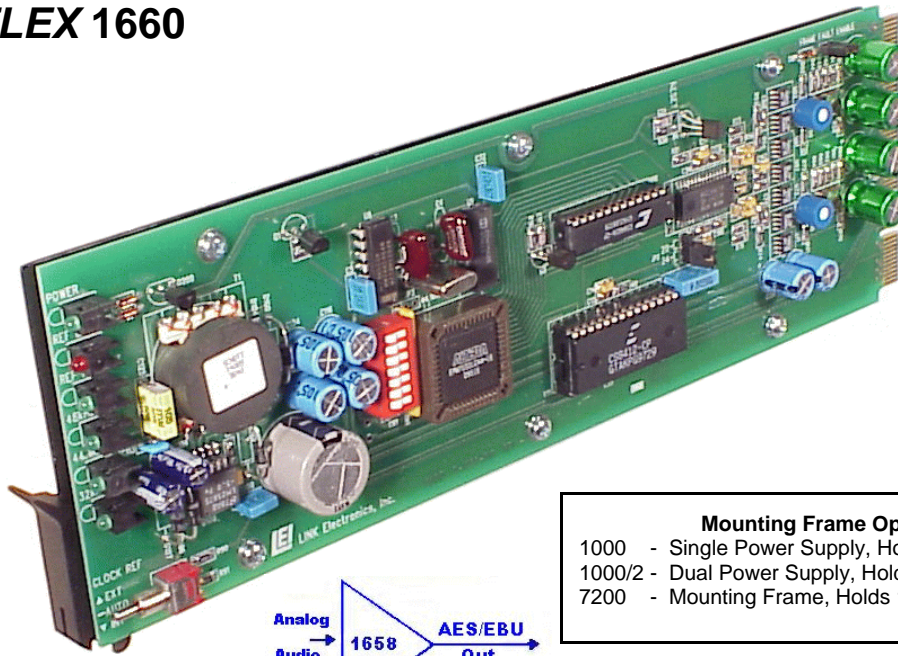




LINK ELECTRONICS, INC.

ANALOG AUDIO TO DIGITAL AUDIO AES/EBU DIGIFLEX 1660



Mounting Frame Options

- 1000 - Single Power Supply, Holds 11 Modules
- 1000/2 - Dual Power Supply, Holds 10 Modules
- 7200 - Mounting Frame, Holds 1 Module

FEATURES

- ◆ Fault LED
- ◆ Analog to AES\EBU
- ◆ Transformer Coupled Digital I/O
- ◆ External Reference Input
- ◆ BNC or Terminal Connections

The DigiFlex 1660 accepts one analog stereo input and provides one output of digital audio to AES3-1992 or AES3-ID specification. Up to eleven 1660's may be mounted in a 2RU space with LINK's DigiFlex frame. Transformer coupled digital inputs and outputs are standard to eliminate the possibility of ground loops.

The 1660 companion rear cell, model 1020, allows the user to select terminal or BNC connectors for digital output. Captive screw terminal blocks are used for the balanced analog input. The DigiFlex mounting frame with rear cell selection provides for future growth into the digital or analog video/audio system requirements.

- ◆ Selectable Full Scale +10dBu to +28dBu
- ◆ 20/24 Bit Conversion, Selectable
- ◆ 48 Khz Internal Reference
- ◆ Automatic External Reference Detection
- ◆ External Reference Presence LED
- ◆ Control of Channel Status Bits

The digital signal path uses state-of-the-art integrated circuits. Reference sample rate is automatically detected and indicated by front panel LEDs. External reference errors are also detected and reported by red LEDs on both the front and rear panels. A "Frame Fault" output can also be enabled for centralized error reporting.

The digital conversion is accomplished using a 2-bit Delta-Sigma converter with 24-bit resolution. Designed with the professional in mind, the DigiFlex 1660 will provide years of error free performance. Backed by LINK's standard 10-year warranty, the 1660 combines high-performance, reliability and economy.

DIGIFLEX 1660 ANALOG TO AES/EBU CONVERSION

SPECIFICATIONS

REFERENCE INPUT:

Number: One
Interface: AES3-1992 (Twisted-pair) or AES3-ID (BNC)
Format: Bi-phase Mark Encoded
Impedance: 110Ω or 75Ω
Sampling Frequency Range: 30KHz to 50KHz
Level: 200mV Minimum
Connectors: BNC or Terminal

DIGITAL OUTPUTS:

Number: One 75Ω or One 110Ω balanced
Interface: AES3-1992 or AES3-ID
Format: Bi-phase Mark Encoded
Impedance: 110Ω or 75Ω
Level: 1 volt p-p AES53-ID/3.2 Volts p-p AES3-1992
Connectors: Terminal Block or BNC

ANALOG TO DIGITAL CONVERSION:

Method: 2-bit, Delta-sigma
Resolution: 24-BIT/20 BIT Jumper Select
Over-sampling Ratio: 128X
Modulator Order: 3
Default Sampling Rate: 48KHz
Optional Sampling Rate: 44.1KHz

ANALOG INPUTS:

Number: One Stereo Pair, 2 Channel
Impedance: 10K Balanced
CMR: 80dB
Configuration: Balanced
Dynamic Range: >105 dBFS
Frequency Response: ±0.1dB, 20Hz to 20KHz
Total Harmonic Distortion: <.004%
Total Harmonic Distortion+N: <.002%
Crosstalk: <-85dB, 20Hz to 20KHz
Separation: >90dB, 20Hz to 20KHz

INTERNAL ADJUSTMENTS:

Common Mode Rejection: Resistive Trim
Attenuation Pad: Resistive Gain Adjustment
Status DIP Switches: Changes Status Data

MECHANICAL:

Height: 3.2"
Width: 1.0"
Length: 10.0"
Weight: 8.0oz
Power: 2.5 Watts

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PROFESSIONAL SERIES--

modular system products--by LINK

1660/083002



1020 REARCELL