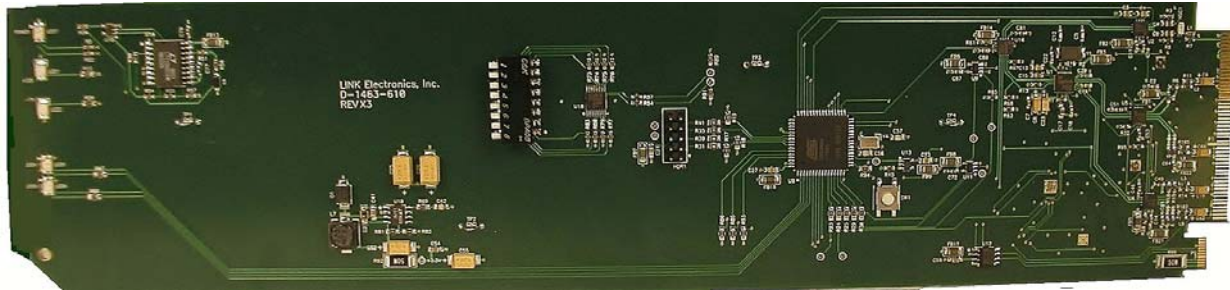


Dual MD SDI DISTRIBUTION AMPLIFIER 1x8 or DUAL 1x4



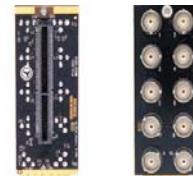
FEATURES

- ★ 1X8 or Dual 1X4
- ★ 2X1 Video Switcher
- ★ openGear Compatible
- ★ Dashboard Controllable
- ★ Re-clocking DA
- ★ SDI Video Presence Detector
- ★ Field Up-gradable
- ★ SMPTE 259M, 292M, 372M & 424M compliant
- ★ SD/HD/3G/3D/Dual Link SDI DA
- ★ Automatic Equalization and DC Restoration

Model LOG-1832

Module Pin

1. Power LED
2. +12 VDC LED
3. -7 Vdc LED
4. Lock 1 LED
5. Lock 2 LED
6. DIP Switches



Module Rear Cell

Multi-Definition Product

The LOG-1832 is a Standard Definition (SD), High Definition (HD), Three Gigabits (3G), Three-Dimensions (3D), or Dual Link {which makes it truly multi-definition (MD)} Serial Digital Interface (SDI) Distribution Amplifier (DA) for the openGear frame. This MD SDI DA restores the incoming signal to its proper amplitude. The signal is reshaped with automatic equalization, DC restoration, and re-clocking. The functions of the card can be controlled through a user friendly interface with free software called Dashboard. The functions of the card can also be control by DIP switches instead of software.

The LOG-1832's maximum equalized cable length; for SD up to 750 feet at 270Mbit/s, HD up to 200 feet at 1.485Gbit/s, and 3G up to 100 feet at 2.97Gbit/s. The unit will accept 3G Level A or 3G Level B video signals. The signal output level is 800mV p-p and re-clocked. The unit will also operate as a DVB-ASI {at 270Mbit/s} distribution amplifier. The unit supports data rates from 270Mbit/s to 2.97Gbit/s. The front card edge has LED's to detect various operating conditions and to indicate if the input signal is locked.

The LOG-1832 with the full 10 BNC rear cell will have eight outputs. With this rear cell, they can be configured as a single input 1 X 8 MD SDI DA or as a dual input 1 X 4 MD SDI DA. Also with this rear cell, the second set of outputs of the dual input MD SDI DA can be used as a 2 X 1 switcher or it can be used to detect the presence of SDI of the first input. Of course with the split 10 BNC rear cell the unit will act as a single 1 x 4 MD SDI DA.

The Link openGear (LOG) series products are designed to be compatible with the openGear 10 and 20 card frames and to work along with cards of other various manufacturers. Backed by Link's 10-year warranty, the LOG-1832 will provide years of outstanding performance.

LINK ELECTRONICS, INC.

2137 Rust Avenue
Cape Girardeau, MO 63703
Phone: 573 334 4433
FAX: 573 334 9255

LOG-1832 SERIAL DIGITAL DISTRIBUTION AMPLIFIER

SPECIFICATIONS

Number of Inputs: 1 or 2 for Dual 1X4
 Connectors: 75Ω BNC
 Standards: SMPTE 259M, 292M, 372M, and 424M
 Bit Rates: 270Mbit/s to 2.97Gbit/s
 Return Loss: 21dB, typical
 Signal Level: 800mV
 Input Cable Length Max:
 SD Equalization: 750 Feet@ 270Mbit/s
 HD Equalization: 250 Feet @ 1.485Gbit/s
 3G Equalization: 100 Feet @ 2.9Gbit/s

DIGITAL OUTPUTS

Number of Outputs: 8 w/full or 4 w/split 10 BNC Rear Cell
 Connectors: 75Ω BNC
 Standards: Same as input
 Signal Level: 800mV
 Overshoot: < 10% of Amplitude
 Return Loss: 19dB, typical
 Rise/Fall Time:
 SD: 800ps Max
 HD & 3G: 135ps Max
 Additive Jitter:
 SD: 30ps p-p, typical
 HD and 3G: 10ps p-p, typical

FRONT CARD EDGE LED

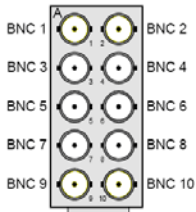
Operating Condition: Green and Red LED
 +12VDC: Green LED
 +7VDC: Green LED
 Lock 1: Green or Red LED
 Lock 2: Green or Red LED

ENVIRONMENTAL

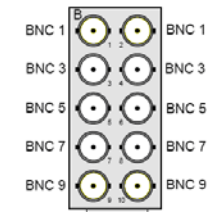
Temperature: 0° to 50°C Ambient
 Humidity: 10% to 90% non-condensing
 Power: 3.3 Watts

MECHANICAL

Height: 3.025 Inches
 Width: 0.25 Inch
 Length: 12.79 Inches
 Weight: 8 Ounces



Layout for full 10 BNC rear cells
 Part #s R1-10B and R2-10B



Layout for split 10 BNC rear cell
 Part # R2S-10B



Rear Blank