

## Model 9125

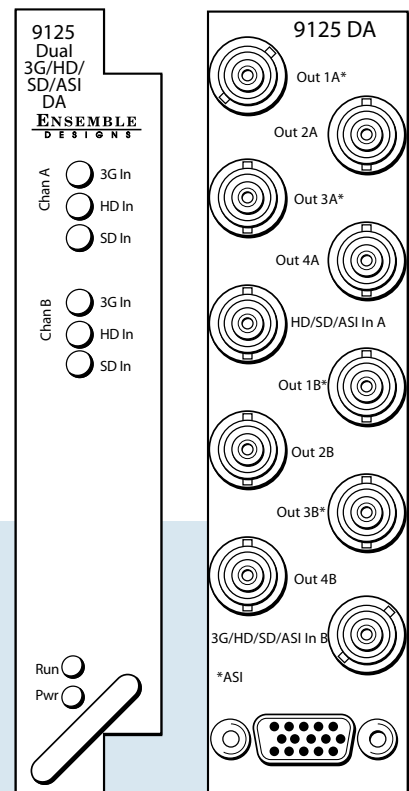
### 3G/HD/SD/ASI Dual Reclocking Distribution Amplifier

The Avenue 9125 module is a two channel video distribution amplifier that handles 3 Gb/s and 1.5 Gb/s high definition, standard definition and ASI video signals. It automatically detects and operates at 270 Mb/s for Standard Definition (525 or 625) signals and at 1.5 Gb/s or 3 Gb/s for High Definition signals. It also can be used with DVB-ASI signals. The 9125 has automatic cable equalization and reclocking. The module can be used in either the 3RU or 1RU Avenue frame.

Input signal presence and bit rate can be monitored through the Avenue Control System and it is also indicated by LED indicators on the front edge of the module. On loss of signal, the 9125 can generate an alarm that is monitored through Avenue PC.

#### Features

- » 3G/HD/SD/ASI Distribution Amplifier
- » Supports all HD, SD and ASI standards
- » Supports 3 Gb/s, level A and level B
- » Two channels of distribution per module
- » Auto-senses standard definition or high definition input
- » Reclocked outputs
- » Auto EQ
- » Alarm on loss of signal
- » Passes embedded audio



**Serial Digital Input**

<b>Number</b>	Two
<b>Signal Type</b>	HD Serial Digital 1.485 Gb/s SMPTE 274M, 292M or 296M HD Serial Digital 2.97 Gb/s SMPTE 424M, 425M or SD Serial Digital 270 Mb/s SMPTE 259M or DVB-ASI 270 Mb/s
<b>Impedance</b>	75 Ω
<b>Return Loss</b>	>15 dB to 1.485 GHz
<b>Max Cable Length</b>	
270 Mb/s	300 meters Belden 1694A
1.485 Gb/s	100 meters Belden 1694A
2.97 Gb/s	70 meters Belden 1694A
<b>Automatic Cable Input Equalization</b>	

**Serial Digital Output**

<b>Number</b>	Eight (SD, HD) or Four (ASI)
<b>Signal Type</b>	ASI on outputs 1A, 3A, 1B, 3B
<b>Impedance</b>	Follows input
<b>Return Loss</b>	75 Ω
<b>Output DC</b>	>15 dB to 1.485 GHz None (AC coupled)

**General Specifications**

<b>Power Consumption</b>	<7.0 watts
<b>Temperature Range</b>	0 to 40°C ambient (all specs met)
<b>Relative Humidity</b>	0 to 95% noncondensing
<b>Altitude</b>	0 to 10,000 ft

