

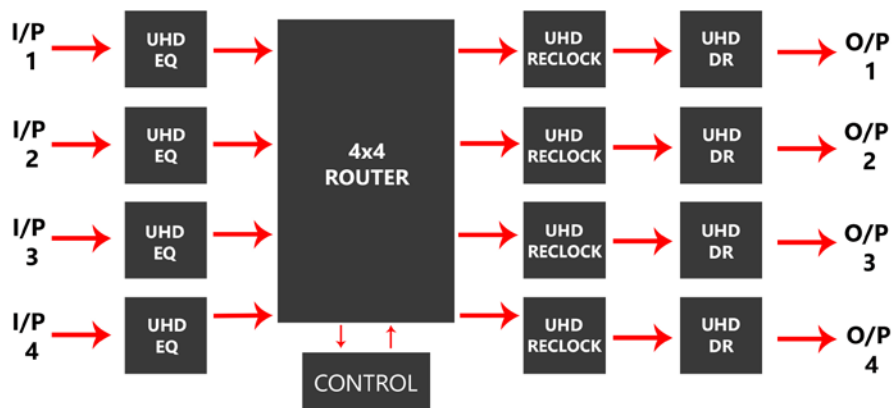
Introducing

“The first of many UHD SDI Modules”



The “FN4KDA4/8/16” UHD Distribution Amplifier offers the most flexible DA function available and is fully compatible with all SDI formats including 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI and SD-SDI.

- OpenGear® compatible
- Up to 4 independent channels of SDI distribution on one card
- Equalises all SDI signals from SD-SDI to 12G-SDI
- Passive rear module
- Card can be configured for quad 1 to 4, dual 1 to 8 or single 1 to 16
- Auto and manual fail over to any free input
- HD-BNC (Micro) connectors
- Hot swappable
- Excellent input and output return loss performance up to 12GB/s
- LED indicators for signal presence, data rate and lock
- Remote control and monitoring via Dashboard



Technical Specifications

This section lists the technical specifications for the FN4KDA4/8/16

Category	Parameter		Specification
SDI Input	Number of Inputs		2 & 4
	Data Rates and SMPTE Standards Accommodated		270Mbps, 525/625 Component, SMPTE 259M 270Mbps, DVB-ASI 1.485Gbps Component, SMPTE 292M 2.97Gbps Component, SMPTE 424M 5.94Gbps Component, SMPTE 2081 11.88Gbps Component, SMPTE 2082
	Impedance		75ohm
	Equalization (Belden 1694A cable)		>380m (1640ft) @ 270Mbps >210m (650ft) @ 1.485Gbps >180m (490ft) @ 2.97Gbps >80m (260ft) @ 5.94Gbps >50m (190ft) @ 11.88Gbps
	Return Loss		>15dB to 1.485Gbps >10dB to 2.97Gbps >7dB to 5.94Gbps >4dB to 11.88Gbps
	Connector Type		HD-BNC
SDI Outputs ^{a b}	Number of Outputs	FN4KDA	4/8/16
	Impedance		75ohm
	Return Loss		>15dB to 1.485Gbps >10dB to 2.97Gbps >7dB to 5.94Gbps >4dB to 11.88Gbps
	Rise & Fall Times		difference 270Mbps: 0.4-1.5nS, <0.5nS difference 1.485Gbps: <270ps, <100ps difference 2.97Gbps: <135ps, <50ps difference 5.94Gbps: <80ps, <30ps difference 11.88Gbps: <45ps, <18ps

SDI Outputs	Jitter	270Mbps: <0.2UI, jitter measured 10Hz-1kHz 1.485Gbps: <1.0UI jitter measured 10Hz-100kHz, <0.2UI above 100kHz 2.97Gbps: <1.0UI jitter measured 10Hz-100kHz, <0.3UI above 100kHz 5.94Gbps: <2.0UI jitter measured 10Hz-100kHz, <0.3UI above 100kHz, band limit @594MHz 11.88Gbps: <2.0UI jitter measured 10Hz-100kHz, <0.3UI above 100kHz, band limit @1188MHz	
	Signal Level	800mV ±10%	
	DC Offset	0V ±50mV	
	Overshoot	<10%	
	Connector Type	HD-BNC	
Environment	Max. Ambient Temperature	40°C (104°F)	
Power	Total Power Consumption	FN4KDA4/8/	1.9W/2.9W
		FN4KDA16	5.4W

