

# NK-A-HQ Series AN-AUD

## Stereo Analog Audio Router Series

### Key Features

- Compact size
- Balanced inputs (can be wired unbalanced)
- Wide band frequency response
- Common mode rejection >60dB
- 16x4, 16x16, 32x32 fixed sizes
- Excellent performance and specifications
- Low power consumption
- Integrated NK Series Control
- Universal power supply included
- Optional redundant power
- 5-year transferable warranty



NK-A164-HQ



NK-A16-HQ



NK-A32-HQ

## Technical Specifications

	NK-A164-HQ	NK-A16-HQ	NK-A32-HQ
<b>INPUTS</b>			
Connection	DB25 connector	DB25 connector	DB25 connector
Total # of Inputs	16	16	32
Input Impedance	24kΩ	24kΩ	24kΩ
Nominal Input Level	+4dBu or -10dBu (solder link selectable)		
Maximum Input Level	+24dBu	+24dBu	+24dBu
<b>OUTPUTS</b>			
Connection	balanced active differential DB-25		
Total # of Outputs	4	16	32
Output Impedance	50Ω	50Ω	50Ω
Nominal Output Level	+4dBu or -10dBu (selectable via solder links per output)		
Maximum Output Level	+24dBu	+24dBu	+24dBu
<b>PERFORMANCE</b>			
Frequency Response	±0.1 dB 20Hz to 20kHz -3dB, 100kHz	±0.1 dB 20Hz to 20kHz -3dB, 100kHz	±0.1 dB 20Hz to 20kHz -3dB, 100kHz)
Distortion	0.005%	0.005%	0.005%
Noise	-90dB below +4dBu	-90dB below +4dBu	-90dB below +4dBu
Crosstalk	below noise	below noise	below noise
<b>GENERAL</b>			
Number of Levels	dual independent crosspoint layers		
Control Level	no	no	no
Partitioning	up to 8 partitions per layer with independent level assignment		
Configuration	web browser or comprehensive via DashBoard Control System configuration via NK-IPS		
Dimensions	1RU, depth 6.4cm	1RU, depth 6.4cm	2RU, depth 6.4cm
Power Consumption	19W	19W	38W
Power Supply	±15 V DC	±15 V DC	±15 V DC

Specifications subject to change without prior notice.

## Ordering Information

### NK-A164-HQ, NK-A16-HQ & NK-A32-HQ Routers

NK-A164-HQ	16x4 Stereo Analog Audio Router
NK-A16-HQ	16x16 Stereo Analog Audio Router
NK-A32-HQ	32x32 Stereo Analog Audio Router

### NK-A164-HQ, NK-A16-HQ & NK-A32-HQ Rack Mount Redundant Power

NK-RP1/PN	Rack Mount, 1RU, 100W, ±15V Redundant Power Supply
NK-D12/PN	NK-RP1/PN Power Supply Cable for NK-A164-HQ, NK-A16-HQ & NK-A32-HQ

### NK-A164-HQ, NK-A16-HQ & NK-A32-HQ External Redundant Power

NK-PN1	Spare or Redundant, 50W, ±15V External Power Supply*
NK-DRY	Y Cable for Two NK-PN1 External Power Supplies

\*For more information on the rack mount power supply system, please see page 216