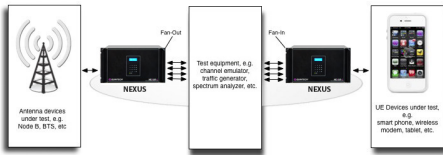


NEXUS-L

32x32 and 16x16 Bi-Directional RF Matrix Switch



NEXUS-L 32x32



General Description:

The **NEXUS-L** is a passive, bi-directional, full fan-out/splitting, matrix switching system that is available as a 16x16 or 32x32 matrix. Any of the inputs can be routed to any or all of the outputs. It is designed for the Long Term Evolution (LTE) frequency range and is used for automated test systems and general RF signal management in wireless communications test systems for 3G, 4G, WiFi, etc. Each path provides a 0 to 30 dB programmable attenuator that can be used for transceiver and antenna testing.

Features & Benefits:

- Up to 32 simultaneous connections each with 0 to 30 dB independently controlled attenuators
- Long lasting solid state programmable attenuators with infinite life cycle
- Up to 40 dBm input power with fixed attenuation
- High isolation reduces cross talk between channels
- Integrated splitters allow signals to be shared

Specifications:*	NEXUS-L 16x16	NEXUS-L 32x32
Operating Frequency:	700-3000 MHz	700-2800 MHz
Configuration:	16 Input and 16 Output Ports in a Single 3 RU Chassis	32 Input and 32 Output Ports in a Single 6 RU Chassis
Matrix Type:	Passive Bi-directional, Non-blocking	
Switching Technology:	Solid State	
Fixed Attenuation:	24 dB Max. @ 3000 MHz	30 dB Max. @ 2800 MHz
Impedance:	50 Ω	
OIP3:	60 dBm Min.	60 dBm Min.
P1dB:	40 dBm Min.	40 dBm Min.
Attenuation (at each output):	0 to 30 dB Attenuation in 0.5 dB Steps	
Isolation Input to Input	60 dB Min.	
Isolation Output to Output	60 dB Min., Multiple Inputs 30 dB	60 dB Min., Multiple Inputs 25 dB
Isolation Input to Output	60 dB Min.	
Return Loss:	15 dB Typ.	14 dB Typ.
RF Connectors:	N-Type	
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz	
Power Consumption:	17 W	41 W
Local Control:	Front Panel Keypad with LCD Display	
Remote Control:	Ethernet, TELNET, or TCP/IP Via Customer Supplied PC	
Software:	Embedded Web Server and API Protocol	
Mechanical:	3 RU (5.25"H x 19"W x 20"D) Including Rear Handles	6 RU (10.5"H x 19"W x 22.25"D) Including Rear Handles
Weight:	38.5 lbs. Gross (boxed), 32 lbs. Net	111 lbs. Gross (boxed), 88 lbs. Net
Certifications:	FCC Part 15	

*Specifications may vary with connector type. See individual specification sheet for specific performance data.

Request A Quote