

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N5260A

The Keysight Technologies (Agilent) N5260A is a millimeter-wave test set controller designed to bridge Keysight PNA and PNA-X series Vector Network Analyzers with external millimeter-wave frequency extension modules. It manages signal routing, power distribution, and control communication for 2-port and 4-port millimeter-wave test configurations spanning frequencies from 50 GHz up to 1.1 THz.

SPECIFICATIONS

General

Interfaces	Test Set I/O (25-pin D-Sub), 4 x Front-panel Millimeter-wave Module Bias/Control Ports, Rear-panel RF Input (SMA female), Rear-panel LO Input (SMA female)
Display	None (Front panel LED status indicators for Power, Active, and Standby)

Physical

Power Supply	100 to 240 VAC ($\pm 10\%$), 50/60 Hz, 350 VA max
Operating Temperature	0 to 40 °C °C
Dimensions (W×H×D)	425.6 mm × 132.6 mm × 439.0 mm mm
Weight	11 kg kg

System Compatibility & Configuration

Compatible Vector Network Analyzers	Keysight PNA (e.g. E8361A/C, E8364A/B/C) and PNA-X (e.g. N5242A, N5245A, N5247A) series
Compatible Millimeter-Wave Test Sets	Keysight N5250A, N5250C, N5261A, and N5262A systems
Supported Millimeter-Wave Frequency Bands	50 GHz to 1.1 THz (dependent on external frequency extension modules from Keysight, VDI, or OML)
Supported System Configurations	2-Port or 4-Port millimeter-wave configurations
Module Control Capacity	Controls up to 4 millimeter-wave frequency extension modules simultaneously

Front Panel Interfaces & Connections

RF Input Port Connector Type	SMA (female), rear-panel
LO Input Port Connector Type	SMA (female), rear-panel
Millimeter-Wave Module Bias Ports	4 x multi-pin circular connectors on the front panel (provides supply voltages and bias)

Rear Panel Control & Interfaces

VNA Interconnect Port	25-pin D-sub (female) for dedicated VNA Test Set I/O connection
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Physical Characteristics

Enclosure Form Factor	3U rack height, full width standard instrument rack chassis
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Environmental & Compliance

Storage Temperature Range	-40 °C to +70 °C
Safety Standards	IEC 61010-1, EN 61010-1, CSA certified
EMC Standards	IEC 61326-1, EN 55011 Class A

RF & LO Specifications

RF Input Frequency Range (Option 110)	10 MHz to 26.5 GHz
LO Input Frequency Range (Option 110)	10 MHz to 26.5 GHz
RF Input Frequency Range (Option 120/140)	2.0 GHz to 20.0 GHz
LO Input Frequency Range (Option 120/140)	2.0 GHz to 20.0 GHz
RF Input Power Range (Option 110)	+5 dBm to +10 dBm (nominal)
LO Input Power Range (Option 110)	+5 dBm to +10 dBm (nominal)
RF Input Power Range (Option 120/140)	-15 dBm to 0 dBm (nominal)
LO Input Power Range (Option 120/140)	-15 dBm to 0 dBm (nominal)

Inputs & Outputs

Test Set I/O Connector Type	25-pin D-sub, female
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Power

Maximum Power Consumption	350 VA
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Options

Hardware Option 110	2-port controller without RF and LO amplifiers
Hardware Option 120	2-port controller with RF and LO amplifiers
Hardware Option 140	4-port controller with RF and LO amplifiers

Option Specifications

RF Attenuator Range (Option 120/140)	0 to 70 dB
RF Attenuator Step Size (Option 120/140)	10 dB
LO Attenuator Range (Option 120/140)	0 to 70 dB
LO Attenuator Step Size (Option 120/140)	10 dB

TECHNOLOGY

Millimeter-Wave Vector Network Analysis

APPLICATIONS

Frequency extension interface for PNA/PNA-X VNAs and mm-wave modules

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.