

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5253E1 2-Port E-Band Compact VNA System

Host Vna: P5024A-400, 9 kHz to 20 GHz, 4-port Port Count Standard: 2-port E-band (pair of TxRx extenders); two systems for 4-port Four Port Add Ons: Y1701A multiple USB instruments kit and S97551B multiple-instruments measurements Bundle contents from N5252A/N5253E user's guide Table 2 (N5253E1). Performance from Table 5 shared by N5252A and N5253E1/E2/E3. No bundle hardware options; start-frequency note to 55 GHz is unspecified performance. Port Count Standard: 2-port E-band (pair of TxRx extenders); two systems for 4-port Four Port Add Ons: Y1701A multiple USB instruments kit and S97551B multiple-instruments measurements Bundle contents from N5252A/N5253E user's guide Table 2 (N5253E1). Performance from Table 5 shared by N5252A and N5253E1/E2/E3. No bundle hardware options; start-frequency note to 55 GHz is unspecified performance.



MODEL

**Agilent / Keysight
N5253E1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5253E1

LISTING

<https://aumictechlabs.com/products/n5253e1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5253E1 is a network analyzer that provides performance in microwave and RF testing. This instrument offers a wide frequency range and advanced calibration techniques to ensure accurate and repeatable measurements. Its intuitive interface and comprehensive analysis

tools facilitate efficient testing and characterization of components and systems, making it an indispensable tool for engineers and researchers.

N5253E1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	E-band compact vector network analyzer bundle
Series Family	Keysight N5252A / N5253E
Frequency Range	60 to 90 GHz
Start Frequency Unspecified	start can be set as low as 55 GHz (performance not specified)
Waveguide Band	WR12
Test Port Interface	WR-12 IEEE 1785-2a compatible with UG-387/UM
Dynamic Range Minimum	100 dB at 10 Hz IF bandwidth (S12, S21)
Dynamic Range Typical	110 dB at 10 Hz IF bandwidth
Test Port Power Minimum	plus 10 dBm
Test Port Power Typical	plus 13 dBm
Magnitude Stability Typical	0.15 dB typical (S11, S22)
Phase Stability Typical	2 deg typical (S11, S22)
If Bandwidth For Dr Spec	10 Hz
Spec Temperature	23 C plus or minus 5 C
Warm Up	60 minutes after turn-on
Extenders	N5252AW12 Option 201 (N5252-80002) pair of TxRx VNAX modules with 1.2 m cables
Calibration Kit	N5262AC12 WR12 60-90 GHz
Cal Kit Contents	2 loads, 2 shorts, 1 quarter-wave shim, 1 USB drive, 1 two-inch section, 2 ball drivers
MmWave Software	S97560B operation with N5252AW12 extenders
Time Domain Application	optional application 010
Fixture Removal Application	optional application 007
N Port Calibration	included (551)
Frequency Offset Mode	not available on these bundles
Host Computer	laptop or tower PC not provided

PARAMETER	VALUE
Documentation	Keysight N5252A and N5253E E-Band VNA Systems User's Guide 9018-04772
Model	N5253E1
Host Vna	P5024A-400, 9 kHz to 20 GHz, 4-port
Port Count Standard	2-port E-band (pair of TxRx extenders); two systems for 4-port
Four Port Add Ons	Y1701A multiple USB instruments kit and S97551B multiple-instruments measurements

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes
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Ordering Information

OPTION	DESCRIPTION
Option 201	(N5252-80002) pair of TxRx VNAX modules with 1.2 m cables

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.