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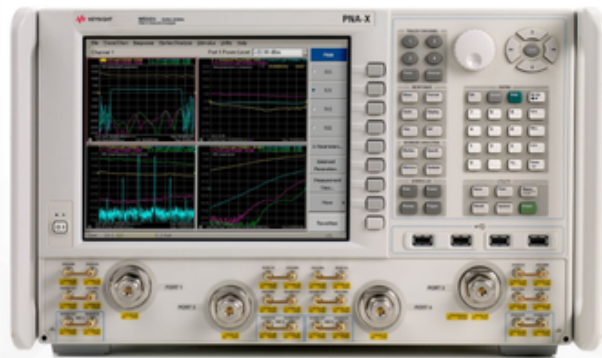
Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5242B PNA-X Vector Network Analyzer 4-Port, 10MHz-26.5GHz Calibrated

Agilent Keysight N5242B PNA-X Vector Network Analyzer 10 MHz to 26.5 GHz 4 Port The Agilent/Keysight N5242B isaPNA-X microwave network analyzer configured for 4-port measurements from 10 MHz to 26.5 GHz class coverage used for active and passive device characterization. S-parameter and nonlinear characterization of amplifiers mixers and multiport RF components. Integrated sources receivers for active device test The Agilent/Keysight N5242B isaPNA-X microwave network analyzer configured for 4-port measurements from 10 MHz to 26.5 GHz class coverage used for active and passive device characterization. S-parameter and nonlinear characterization of amplifiers mixers and multiport RF components. Integrated sources receivers for active device test Calibration with electronic and mechanical standards



MODEL

**Agilent / Keysight
N5242B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5242B

LISTING

<https://aumictechlabs.com/products/n5242b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5242B PNA-X microwave network analyzer works with comprehensive testing of active devices such as amplifiers, mixers, and transceivers. It combines a vector network analyzer with a signal source, enabling a wide range of measurements including S-

parameters, noise figure, and distortion. The N5242B offers excellent dynamic range, fast measurement speed, and a user-friendly interface, making it suitable for complex device characterization and validation.

N5242B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Vector network analyzer
Series Family	Keysight PNA-X N524x
Model	N5242B
Port Count Class	4 port
Frequency Range Class	10 MHz to 26.5 GHz
Measurement	S-parameters and advanced PNA-X applications
Architecture	integrated microwave VNA
Calibration	SOLT TRL and ECal class
Application Class	active device characterization
Receivers	multiple coherent receivers
Sources	integrated synthesized sources
Dynamic Range	high dynamic range PNA-X class
IF Bandwidth	configurable
Sweep	linear and segment sweeps
Remote Interfaces	LAN GPIB class
Form Factor	benchtop microwave analyzer
Pulsed Measurements	supported with options class
Noise Figure	optional applications class
Gain Compression	optional applications class
Mixer Measurements	optional applications class
Display	multi trace S-parameter display
Automation	SCPI remote control
Calibration Kits	mechanical and ECal
Configuration Note	exact option set determines nonlinear apps; pull full dynamic-range tables from N5242B datasheet before denser upload

PARAMETER	VALUE
Bandwidth	configurable

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.

performance VNA platform	
4 port configuration class	
10 MHz to 26.5 GHz coverage class	
Integrated sources receivers for active device test	
Calibration with electronic and mechanical standards	
Technical Specifications	
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PARAMETER	VALUE
Instrument Type	Vector network analyzer
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Options: application software and hardware options	
Specifications	
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PARAMETER	VALUE
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Notes
Frequency/port class from Keysight N5242B PNA-X product identification (4-port, 10 MHz-26.5 GHz). Expand full dynamic range/noise floor tables from the OEM PNA-X datasheet before upload.

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

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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.