

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

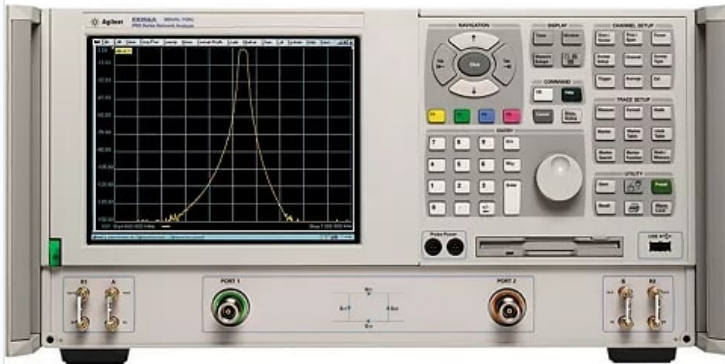
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E8362C 20 GHz PNA Microwave Network Analyzer

Keysight / Agilent E8362C PNA Microwave Network Analyzer 10 MHz to 20 GHz The Agilent E8362C is a 2-port PNA microwave network analyzer covering 10 MHz to 20 GHz. OEM PNA Series tables rate standard-configuration system dynamic range at 123 dB from 10 to 20 GHz in a 10 Hz IF bandwidth at the test port. Related B-series comparison data cite noise floor near -120 dBm, maximum output power about +3 dBm, trace noise about 0.006 dB rms at 1 kHz IFBW, ALC range about 27 dB, maximum IFBW 40 kHz, and measurement speed about 26 us per point. The analyzer supports 32 measurement channels, up to 16001 points per channel, and Windows connectivity with USB LAN and GPIB. The Agilent E8362C is a 2-port PNA microwave network analyzer covering 10 MHz to 20 GHz. OEM PNA Series tables rate standard-configuration system dynamic range at 123 dB from 10 to 20 GHz in a 10 Hz IF bandwidth at the test port. Related B-series comparison data cite noise floor near -120 dBm, maximum output power about +3 dBm, trace noise about 0.006 dB rms at 1 kHz IFBW, ALC range about 27 dB, maximum IFBW 40 kHz, and measurement speed about 26 us per point. The analyzer supports 32 measurement channels, up to 16001 points per channel, and Windows connectivity with USB LAN and GPIB. S-parameter characterization, component and subsystem microwave test, balanced measurements with appropriate fixtures, and calibrated VNA pro



MODEL

**Agilent / Keysight
E8362C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8362C

LISTING

<https://aumictechlabs.com/products/e8362c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E8362C is a 20 GHz PNA Microwave Network Analyzer delivering high-accuracy S-parameter and advanced RF measurements from 10 MHz to 20 GHz. Built for R&D and manufacturing environments, it characterizes passive and active devices with 123 dB dynamic range, sub-0.006 dB trace noise, and measurement speeds under 26 μ sec/point. The instrument supports 32 channels with up to 20,001 points per channel and provides two 3.5 mm 50-ohm test ports rated for +10 dBm output. Technical Specifications Frequency range: 10 MHz to 20 GHz Dynamic range: 123 dB Trace noise: < 0.006 dB Measurement speed: < 26 μ sec/point Channels: 32 Points per channel: 20,001 Output power: +10 dBm Test ports: 3.5 mm male 50-ohm Input ports: 2 Corrected system performance spans three frequency bands with directivity to 42 dB, source and load match specifications from 38–42 dB, and reflection/transmission tracking accuracy across 45 MHz to 20 GHz. Key Features TRL/LRM calibration with on-wafer, in-fixture, waveguide, and antenna measurement support Mixer testing: conversion loss, return loss, isolation, and absolute group delay Amplifier characterization: gain compression, harmonic, IMD, and pulsed-RF measurements Unlimited resizable display windows with up to 24 active and 24 memory traces per window Multiple display formats: Log/linear magnitude, SWR, phase, group delay, real/imaginary, Smith chart, and polar Ten independent markers per trace with delta marker capability Go/no-go test limit definition Sweep modes: linear, CW, power, or segment sweep Typical Applications High-accuracy mixer and converter characterization Antenna measurement and design validation Pulsed-RF and mm-wave component testing Manufacturing test and device qualification Compatibility & Integration Optional configurations extend measurement capability, including time domain analysis (Option 010) and additional software modules.

E8362C Characteristics / Specifications

PARAMETER	VALUE
Model	E8362C
Instrument Type	PNA microwave network analyzer
Frequency Range	10 MHz to 20 GHz
Port Count	2
System Dynamic Range 10 To 20 GHz	123 dB in 10 Hz IFBW standard configuration
System Dynamic Range 2 To 10 GHz	122 dB in 10 Hz IFBW standard configuration
System Dynamic Range 500 MHz To 2 GHz	119 dB in 10 Hz IFBW standard configuration
System Dynamic Range 45 To 500 MHz	94 dB in 10 Hz IFBW standard configuration
Receiver Dynamic Range 10 To 20 GHz	125 dB in 10 Hz IFBW standard configuration
Noise Floor Class	about -120 dBm at 20 GHz test port class
Max Output Power Class	about +3 dBm
Trace Noise Class	about 0.006 dB rms at 1 kHz IFBW
Alc Range Class	about 27 dB
Max Ifbw Class	40 kHz
Speed Class	about 26 us per point
Measurement Channels	32
Points Per Channel Max	16001
Connector Class Family	3.5 mm test port class on 20 GHz PNA
Stability Class	about 0.05 dB per degreeC cited on related PNA literature
Display Class	LCD instrument display
Interfaces	USB LAN GPIB
Calibration Class	ECal and mechanical calibration supported family
Card Geometry	benchtop PNA microwave analyzer

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	
Specifications	
PARAMETER	VALUE
Model	E8362C
Instrument Type	PNA microwave network analyzer
Frequency Range	10 MHz to 20 GHz
Port Count	2
System Dynamic Range 10 To 20 GHz	123 dB in 10 Hz IFBW standard configuration
System Dynamic Range 2 To 10 GHz	122 dB in 10 Hz IFBW standard configuration
System Dynamic Range 500 MHz To 2 GHz: 119 dB in 10 Hz IFBW standard configuration	
Specifications	
PARAMETER	VALUE
System Dynamic Range 45 To 500 MHz	94 dB in 10 Hz IFBW standard configuration
Receiver Dynamic Range 10 To 20 GHz	125 dB in 10 Hz IFBW standard configuration
Noise Floor Class	about -120 dBm at 20 GHz test port class
Max Output Power Class	about +3 dBm
Trace Noise Class	about 0.006 dB rms at 1 kHz IFBW
Alc Range Class	about 27 dB
Max Ifbw Class	40 kHz
Speed Class	about 26 us per point
Measurement Channels	32
Points Per Channel Max	16001
Connector Class Family	3.5 mm test port class on 20 GHz PNA
Stability Class	about 0.05 dB per degreeCited on related PNA literature
Display Class	LCD instrument display
Interfaces	USB LAN GPIB
Calibration Class	ECal and mechanical calibration supported family
Card Geometry	benchtop PNA microwave analyzer

Notes

From Keysight Agilent PNA Series E8362/3/4B and C technical specifications and related PNA datasheet comparison tables. Installed options such as configurable test set change dynamic range; use the optioned datasheet tables for the serial number configuration.

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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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