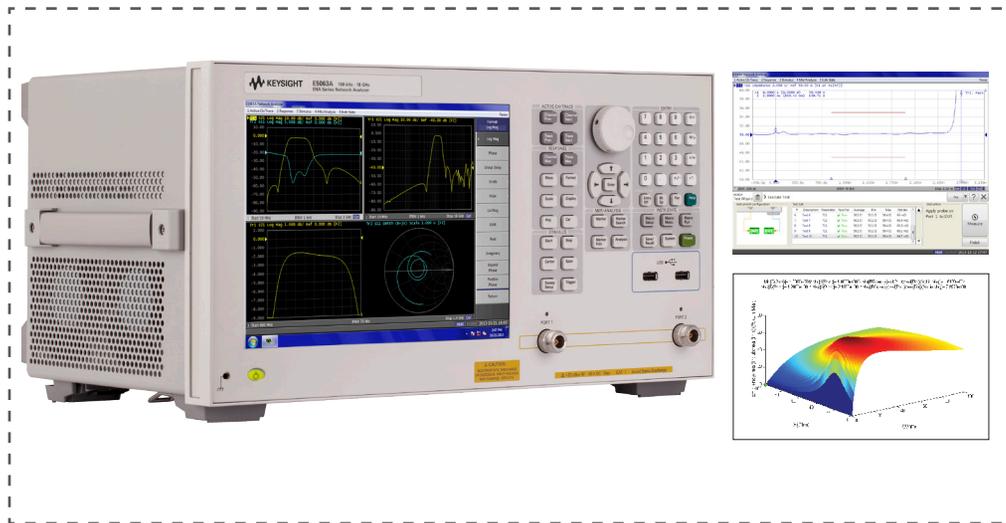


Keysight E5063A ENA Series Network Analyzer



Key features

Features	Descriptions
Frequency	100 kHz to 500 M / 1.5 G / 3 G / 4.5 G / 6.5 G / 8.5 G / 14 G / 18 GHz
Test port	2-port S-parameter, 50 Ω , Type-N connectors
Sweep type	Linear and log frequency, Segment sweep
Calibration capabilities	Short-Open-Load-Thru (SOLT), TRL, Unknown thru, Waveguide, ECal, Adapter removal/insertion
Analysis	Time domain / Test wizard ¹ , Wireless power transfer analysis ¹ , mixed-mode S-parameters, test fixture de-embedding, pass/fail limit testing, Equation editor. Materials measurement ²
Upgradability	Frequency, software options
Connectivity	USB (6 ea), LAN, GPIB ¹ , 24-bit Handler I/O ¹
Accessories	U1810B/U1816A/C USB switch
Supported languages	English, Simplified/Traditional Chinese, Korean, Japanese

1. Optional capabilities.
2. External software (N1500A) required.

Best balance between price and performance

General-purpose RF network analyzers are essential for simple passive component measurements in education institutions and RF labs. The Keysight E5063A enables you to reduce your test equipment cost without sacrificing test quality.

Key specifications

- Wide frequency coverage: Up to 18 GHz
- Low trace noise: 0.002 dB_{rms}¹
- Wide dynamic range: 122 dB²
- High temperature stability: 0.01 dB/°C³

1. Typical, at 8 MHz to 4.35 GHz, IFBW = 70 kHz, transmission measurement.
2. Typical, at 100 MHz to 4.35 GHz, IFBW = 10 Hz.
3. Typical, at 300 kHz to 6 GHz



Unlocking Measurement Insights

Configuration

Options	Descriptions	MSRP
Frequency options¹		
E5063A-205	2-port test set, 100 kHz to 500 MHz	
E5063A-215	2-port test set, 100 kHz to 1.5 GHz	
E5063A-235	2-port test set, 100 kHz to 3 GHz	
E5063A-245	2-port test set, 100 kHz to 4.5 GHz	
E5063A-265	2-port test set, 100 kHz to 6.5 GHz	
E5063A-285	2-port test set, 100 kHz to 8.5 GHz	
E5063A-2D5	2-port test set, 100 kHz to 14 GHz	
E5063A-2H5	2-port test set, 100 kHz to 18 GHz	
Software options		
E5063A-006	Wireless power transfer analysis	
E5063A-010	Time domain analysis	
E5063A-011	Time domain analysis/Test Wizard	
Other options		
E5063A-019 ²	Standard solid state drive	
E5063A-721 ³	Add GPIB Interface	
E5063A-731 ³	Add 24-bit Handler I/O Interface	

1. Must choose one of test set options
2. Option 019 is the only storage option. Must choose this option when ordering the E5063A.
3. If you do not need the GPIB or 24-bit I/O interface, order Option 722 and Option 732 respectively.

Model Number	Descriptions	MSRP
Materials measurement solution		
N1500A	Materials Measurement Suite	
N1501A	Dielectric Probe Kit	

For additional information please go to:

www.keysight.com/find/e5063a



Unlocking Measurement Insights

Accessories	Descriptions	MSRP
Electronic Calibration (ECal) Module		
85092C	ECal module, 300 kHz to 9 GHz, Type-N, 2-port	
85093C	ECal module, 300 kHz to 9 GHz, 3.5 mm, 2-port	
N7550A	Economy ECal module, DC to 4 GHz, Type-N or 3.5 mm, 2-port	
N7551A	Economy ECal module, DC to 6.5 GHz, Type-N or 3.5 mm, 2-port	
N7552A	Economy ECal module, DC to 9 GHz, Type-N or 3.5 mm, 2-port	
N7553A	Economy ECal module, DC to 14 GHz, Type-N or 3.5 mm, 2-port	
N7554A	Economy ECal module, DC to 18 GHz, Type-N or 3.5 mm, 2-port	
Mechanical Calibration Kit		
85032F	Standard mechanical calibration kit, DC to 9 GHz, Type-N	
85033E	Standard mechanical calibration kit, DC to 9 GHz, 3.5 mm	
85052D	Economy mechanical calibration kit, DC to 26.5 GHz, 3.5 mm	
85054D	Economy mechanical calibration kit, DC to 18 GHz, Type-N	
Test Cables		
N6314A	Test port cable, type-N (m-m), 50 ohm, 24 inches	
N4419AK20	Test port cable, 3.5mm (m-f), 36 inches	
USB Switch		
U1810B	USB Coaxial Switch, DC to 18 GHz, SPDT	
U1816A	USB Coaxial Switch, DC to 8 GHz, SP6T	
U1816C	USB Coaxial Switch, DC to 26.5 GHz, SP6T	

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's committed to superior product quality and lower total cost of ownership. Keysight is the only test and measurement company with three-year warranty standard on all instruments, worldwide. And, we provide a one-year warranty on many accessories, calibration devices, systems and custom products.



Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification, so you can rely on accurate measurements.



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