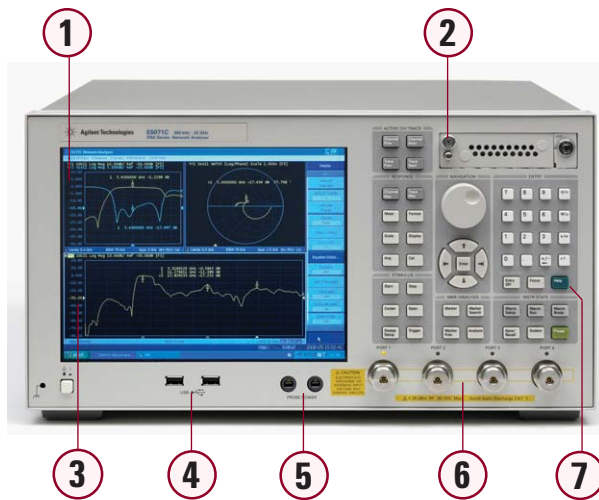
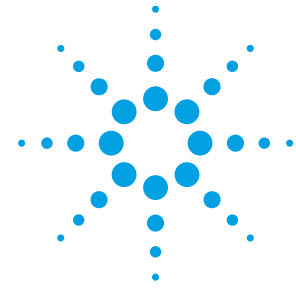


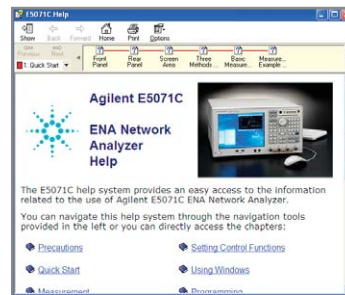
Agilent E5071C ENA Network Analyzer

The industry standard in RF Network Analysis

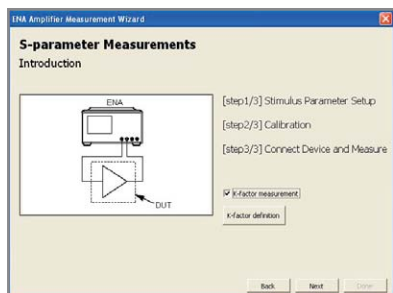
Agilent's ENA network analyzers deliver new standards in speed, accuracy, and versatility for RF network analysis. Designed with a wide range of measurement capabilities to meet multiple network analysis needs, the ENA offers efficiency and flexibility for both manufacturing and R&D applications in industries such as wireless communication, automotive, semiconductor, and medical.



1. 160 measurement channels and 16 measurement traces
2. Removable HDD for secure environment (optional)
3. 10.4-inch LCD touch screen
4. USB ports (Front x 2, Rear x 4)
5. Dual probe power source
6. 2-port or 4-port selection
7. Context sensitive embedded help



Embedded help appears on the display



Amplifier measurement wizard using built-in VBA

Key Features

1. Best in class performance for accurate and high-cost-performance tests and measurements
 - Wide dynamic range: >123 dB
 - Fast measurement speed: 41 ms at 1601 points with full 2-port cal
 - Low trace noise: < 0.004 dBrms at 70 kHz IFBW
2. Intuitive user interface and PC connectivity for quick and easy operation
 - Windows ® XP OS with LAN/USB/GPIB connection
 - Built-in VBA for test automation or making customized GUI
 - 8753 series look & feel button and code translator
3. Many features that fit your measurement needs
 - Built-in 2-port or optional 4-port for balance measurements
 - Powerful calibration and data analysis tools
 - Various frequency selection with flexible hardware/software upgrade options



Quick Fact Sheet

Model

Model	Description
E5071C	Network analyzer

Option

Test set option	Description	Connector type	Num of port	Bias tee
E5071C-240	9 kHz to 4.5 GHz	Type-N (f)	2	No
E5071C-245	100 kHz to 4.5 GHz	Type-N (f)	2	Yes
E5071C-260	9 kHz to 6.5 GHz	Type-N (f)	2	No
E5071C-265	100 kHz to 6.5 GHz	Type-N (f)	2	Yes
E5071C-280	9 kHz to 8.5 GHz	Type-N (f)	2	No
E5071C-285	100 kHz to 8.5 GHz	Type-N (f)	2	Yes
E5071C-2D5	300 kHz to 14 GHz	3.5 mm (m)	2	Yes
E5071C-2K5	300 kHz to 20 GHz	3.5 mm (m)	2	Yes
E5071C-440	9 kHz to 4.5 GHz	Type-N (f)	4	No
E5071C-445	100 kHz to 4.5 GHz	Type-N (f)	4	Yes
E5071C-460	9 kHz to 6.5 GHz	Type-N (f)	4	No
E5071C-465	100 kHz to 6.5 GHz	Type-N (f)	4	Yes
E5071C-480	9 kHz to 8.5 GHz	Type-N (f)	4	No
E5071C-485	100 kHz to 8.5 GHz	Type-N (f)	4	Yes
E5071C-4D5	300 kHz to 14 GHz	3.5 mm (m)	4	Yes
E5071C-4K5	300 kHz to 20 GHz	3.5 mm (m)	4	Yes

Options ¹	Description
E5071C-008	Add frequency offset mode
E5071C-010	Add time-domain analysis
E5071C-1E5	High stability time base
E5071C-017	Removable hard disk drive

1. For other options for E5071C such as handle kits or compliant calibrations, refer to the configuration guide 5989-5480EN

Recommended accessories

Model	Description
N6314A	Test port cable, type-N (m-m), 50 Ω, 24 inches
85032F	Standard mechanical calibration kit, type-N, 50 Ω, DC to 9 GHz
85092C	RF electronic calibration module, 300 kHz to 9 GHz, type-N (f), 2-port
N4419AK20	Test port cable, 3.5 mm (m-f), 36 inches
85052D	Economy mechanical calibration kit, 3.5 mm, DC to 26.5 GHz
N4431B	RF electronic calibration module, 9 kHz to 13.5 GHz, 4-port
N4433A	Microwave electronic calibration module, 300 kHz to 20 GHz, 4-port

Upgrade options

The E5071C supports complete upgradeability for any options. This includes not only the software options like time-domain or frequency offset mode, but also hardware options such as frequency, test-port, bias-tee, and high stability.

www.agilent.com/find/ena

For additional product information, refer to following literature

Pub number	Name
5989-5478EN	<i>Brochure</i>
5989-5479EN	<i>Data Sheet</i>
5989-5480EN	<i>Configuration Guide</i>

Recommended service options

Additional two years of Return-to-Agilent warranty
Additional two years of Return-to-Agilent calibrations
For more information go to www.agilent.com/find/removealldoubt

Product specifications and descriptions in this document subject to change without notice.
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