Why Migrate to the New E5080B ENA?
Lower the Cost of Test and Increase Productivity

Get What You Need: Full Component Test Capability in One Small Package

The Keysight E5080B ENA Series vector network analyzer (VNA) brings R&D performance up to 53 GHz and flexibility to a midrange platform. Best-in-class dynamic range, trace noise, and temperature stability guarantee reliability and repeatability. Test consistently across your workflow with the same user interface and SCPI commands as high-end PNAs.

Afford it now with an attractive trade-in credit
Save up to 45% off the price of a new E5080B ENA with a compelling Technology Refresh trade-in credit for your E5071C ENA.
The E5080B ENA enables complete device characterization for passive components, amplifiers, mixers, and frequency converters. You can perform more tests with one box using integrated features such as signal analysis, DC sources, bias tees, pulse generators, pulse modulators, and an internal second source.

Gain deeper insights with software applications, including spectrum analysis, mixer measurements, and noise figure. Choose from a two- or four-port option with frequency coverage from 9 kHz to 20 GHz or, for higher frequencies, 100 kHz to 53 GHz.

**Best-in-class performance to meet the challenges of today’s designs**

There is no room for compromise when staying competitive in the market, and the E5080B ENA provides the test capability needed for today’s challenging measurements.

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### Key E5080B ENA performance benefits

**Multi-instrument functionality**
- integrated spectrum analysis, pulse mod / gen, and DC measurement hardware up to 53 GHz
- single-connection measurements for S-parameters and spurious analysis with fast sweeps
- quick and easy test setup with application software

**Wide range of new VNA measurement applications**
- AFR, pulsed RF, NF, SA, DMX, enhanced time domain analysis with TDR
- calibration refresh module support (CalPod)
- Automated Measurement Expert

**Best-in-class performance**
- dynamic range: @10 kHz IFBW: 140 dB (4 GHz)
- speed / cycle time: 2.2 ms (1 MHz IFBW)
- stability: 0.005 dB/deg. C
Get It Now: Financial Reasons to Migrate Sooner

When you need to measure S-parameters, the right mix of speed and performance gives you an edge. The E5080B ENA provides affordable measurement integrity to help you transform deeper understanding into a better design. Every E5080B ENA enhances your expertise in linear and nonlinear device characterization. The E5080B ENA has remarkable advantages relating to operating costs. Add an E5080B ENA to your production line and drive down the cost of test.

Overall, the E5080B ENA can help you reduce the cost of test with throughput improvements, reduced ownership costs, and big savings if you migrate from your older test equipment by trading in.

### Key E5080B ENA financial benefits

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<th>Total-cost-of-ownership savings</th>
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<td>• Avoid average repair costs on existing test sets that often increase by about 10% each year after five years.*</td>
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<tr>
<td>• Increase utilization by up to 10% each year with the new and more capable E5080B ENA.*</td>
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*Based on a recent industry study of midrange network analyzers

### Double the throughput: 2x faster measurement speed to increase throughput

• Achieve throughput of 2.2 ms (1 MHz IFBW) vs. 5 ms (100 kHz IFBW) on other test sets.

### Attractive trade-in credits for your older instrument to reduce the entry price and afford it sooner

• Get up to 55% off the price of new when migrating from E5080A, and up to 45% off when migrating from E5071C.

### Upgradable for future requirements

• Frequency and hardware upgrades are available to affordably grow with your future technical needs.

### Creative financing solutions available to get new capability sooner

• Ask your Keysight sales representative about purchase alternatives from Keysight and its partners.
Get It Running Faster: Get Started Quicker, Improve Utilization, and Increase Productivity Sooner

Keysight has the services and support alternatives that you need to get the most out of your new test equipment and get up and running right away.

If instant productivity is essential, Keysight experts can help you seamlessly migrate your automatic test code to the E5080B ENA platform in record time and help you bring your new test capability online faster.

For uptime confidence, KeysightCare provides comprehensive support alternatives that you can tailor to your needs, including guaranteed turnaround times for calibration and repair. You can also get quick access to our application experts and extensive knowledge center.

<table>
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<th>Key E5080B service alternatives for seamless migration</th>
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<tr>
<td><strong>E5071C code compatibility mode and programming app note</strong></td>
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<tr>
<td>• Use the E5071C emulator mode to make initial code migration to the E5080B ENA fast and simple.</td>
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<td><strong>StartUp and code migration assistance</strong></td>
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<td>• Expert assistance is available from Keysight to help you get the most out of your new equipment.</td>
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<td>• Get guidance from one of our trained application engineers on ways to migrate your software code from an older test platform to the E5080B ENA.</td>
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<td><strong>Maximize uptime with KeysightCare, which provides complete customer care, far beyond basic warranty, for hardware, software, and technical support</strong></td>
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<td>• Receive prioritized access to application experts with committed response times.</td>
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<td>• Get guaranteed turnaround times for repair and calibration.</td>
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<td>• Get global access to a prolific knowledge center and support network, including programming examples and training resources.</td>
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Conclusion

Get what you need:

The Keysight E5080B ENA brings new capabilities to the R&D lab environment, with best-in-class performance and multi-instrument capability in one package. Application software can lead to faster design insight, and 2x measurement speed means less time waiting for results and getting new products out the door.

While older test assets might meet older test requirements, you cannot always afford to wait to complete the next design faster and get it on the market before your competition. And older test equipment tends to be increasingly expensive to repair and maintain, costing you both downtime and money.

Get it now:

Let Keysight help you afford these new capabilities now, so you don’t have to wait for next year’s budget to come through. With Keysight’s Trade-In program, you can significantly lower the cost of getting this new solution into your lab, taking advantage of a great residual credit value for your existing test asset.

If capex is still a challenge, our flexible financing alternatives, along with offerings from our partners, can make the impossible seem possible.

Get it running faster:

Once you have your E5080B ENA, Keysight can help you maximize productivity with StartUp assistance from one of our experts. Our experts can show you how to get the most out of your new analyzer, teach an on-site class for your team, or provide guidance on how to quickly transition your previous generation test code.

Additionally, KeysightCare provides complete customer care, far beyond the basic warranty. Maximize your E5080B ENA uptime with prioritized access and committed response times from application experts. You’ll also receive global access to a prolific knowledge center and support network.

Learn more at: www.keysight.com

For more information on Keysight Technologies’ products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus