

## Agilent N9000AEP CXA Spectrum Analyzer Express Configuration

Frequency ranges: 9 kHz to 3.0 or 7.5 GHz



### Expect More

Be ready for your next challenge in manufacturing test, product development and RF education. The Agilent CXA signal analyzer is a versatile, low-cost tool for essential signal characterization. It helps you accelerate product testing and development on multiple levels: cost reduction, throughput, design enhancement, and beyond. Get essential capability along with X-Series expendability in the CXA — and expect more.

### Our most popular product configurations: simpler, faster, more value!

The Agilent N9000AEP CXA signal analyzer express configuration provides excellent value and the fastest delivery of the most popular CXA configurations. Created to get necessary RF and microwave tools into your hands more quickly, the express configurations provide the performance of an CXA signal analyzer delivered RIGHT NOW. And as one of the X-Series future-ready instruments, these express configurations can evolve as technology changes.

### Ideal for:

- Low tolerance component manufacturing test
- Contract manufacturing
- Education labs and research
- EMC pre-compliance

### Available performance upgrades:

- Fine resolution step attenuator
- Basic EMC functionality
- Precision frequency reference

### X-Series benefits and features:

#### Future-ready instruments—so you can evolve as technology changes

- Move along the performance curve today and tomorrow without rewriting your test code, optimizing price and performance for whichever technologies you're pursuing and whichever X-Series analyzer you choose to use
- Evolve with commercial PC technology, keeping your test assets current and extending instrument longevity with upgradeable CPU, memory, disk drives, and I/O ports
- Upgrade instrument functionality and applications with no downtime via license key upgrades
- Enhance uptime with proven X-Series reliability and robust hardware architecture

#### Consistent measurement framework for signal analysis—enables your teams to move at a faster pace

- Ensure repeatable results and measurement integrity with proven algorithms used across the X-Series. For example, built-in PowerSuite provides a comprehensive collection of one-button measurements that provide consistent results across the X-Series and with legacy PSA and ESA signal analyzers
- Boost efficiency and productivity with a common, familiar user-interface: learning one X-Series signal analyzer means knowing them all
- Leverage test-system software from R&D to design verification to manufacturing with 100% code compatibility (programming commands) across the full range of X-Series performance points
- Transport applications across multiple X-Series analyzers, across the lab or around the globe



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Right Instrument. Right Expertise.  
Delivered Right Now.

## Agilent N9000AEP CXA Spectrum Analyzer Express Configuration

| Key specification                            |  |
|--|--|
| Frequency ranges                             | 9 kHz to 3 GHz (N9000AEP-001)<br>9 kHz to 7.5 GHz (N9000AEP-002) |
| Absolute amplitude accuracy (95% confidence) | ±0.5 dB  |
| Displayed average noise level (DANL) @ 1 GHz | -148 dBm, -161 dBm with preamp on                                |
| Third-order intermodulation distortion (TOI) | +13 dBm (1 GHz)  |
| Phase noise                                  | -99 dBc/Hz (1 GHz, 10 kHz offset)                                |
| Analysis bandwidth                           | 10 MHz standard  |
| Resolution bandwidths                        | 10%  |
| Video bandwidths                             | 1 Hz to 3 MHz (10% steps); 4, 5, 6, 8 and 50 MHz                 |
| Trace points                                 | 1 to 40,001 (All spans)  |

| Model        | Description   | MSRP     |
|--------------|---|----------|
| N9000AEP-001 | CXA express: frequency range, 9 kHz to 3 GHz with 3 GHz preamplifier                                  | \$13,310 |
| N9000AEP-002 | CXA express: frequency range, 9 kHz to 7.5 GHz with 7.5 GHz preamplifier                              | \$17,140 |
| N9000AEP-003 | CXA express: frequency range, 9 kHz to 3 GHz with 3 GHz preamplifier and 3 GHz tracking generator     | \$16,915 |
| N9000AEP-004 | CXA express: frequency range, 9 kHz to 7.5 GHz with 7.5 GHz preamplifier and 6 GHz tracking generator | \$22,800 |

| Options      | Description                     | MSRP    |
|--------------|---------------------------------|---------|
| N9000AEP-FSA | Fine resolution step attenuator | \$1,038 |
| N9000AEP-EMC | Basic EMC functionality         | \$1,550 |
| N9000AEP-PFR | Precision frequency reference   | \$1,550 |



Simultaneous detectors in a single sweep

PowerSuite (spectrum emission mask)

PowerSuite (adjacent channel power)

All the usability innovations of the X-Series are available in the new low-cost CXA signal analyzer



**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](http://www.agilent.com/find/removealldoubt)

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To find a distributor in your area, go to [www.agilent.com/find/distributors](http://www.agilent.com/find/distributors)



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