

# SPIRENT

## SPIRENT LAB SERVER S50

In today's cloud test environment, collaboration and efficiency are the critical edge in high-coverage, high-availability testing. Spirent Lab Server provides an effective solution to leverage your investment in test equipment, time, people and infrastructure. By allowing multiple users to connect/disconnect from a live test, or to monitor a running test, Spirent Lab server accelerates time-to-market with higher quality.

### SOLUTION OVERVIEW

Spirent next-generation architecture separates and encapsulates the configuration/presentation layer (GUI, automation) from the test case state machine kernel. With the Spirent lab server, the test kernel moves from the local PC to an optimized server. This allows multiple users to setup and run test cases in the CLOUD without the need to be persistently connected to test ports from the GUI. Centralized administration of test ports allows a lab manager to assess utilization of resources. In addition, collaboration facilities allow multiple organizations, such as Product Verification and Engineering to jointly monitor and develop test cases, debug issues and reduce bug lifetime averages.

For the automation programmer, the Spirent Lab Server allows for real-time, visual debugging of CLI code (TCL, C/C++, PERL, Python, JAVA, etc..) which allows an increase in productivity and a reduction in coding errors. In addition, the Spirent Lab Server helps facilitate results collection and large-port-density test scenarios with support for over 2,000 test ports in a single test.

### APPLICATIONS

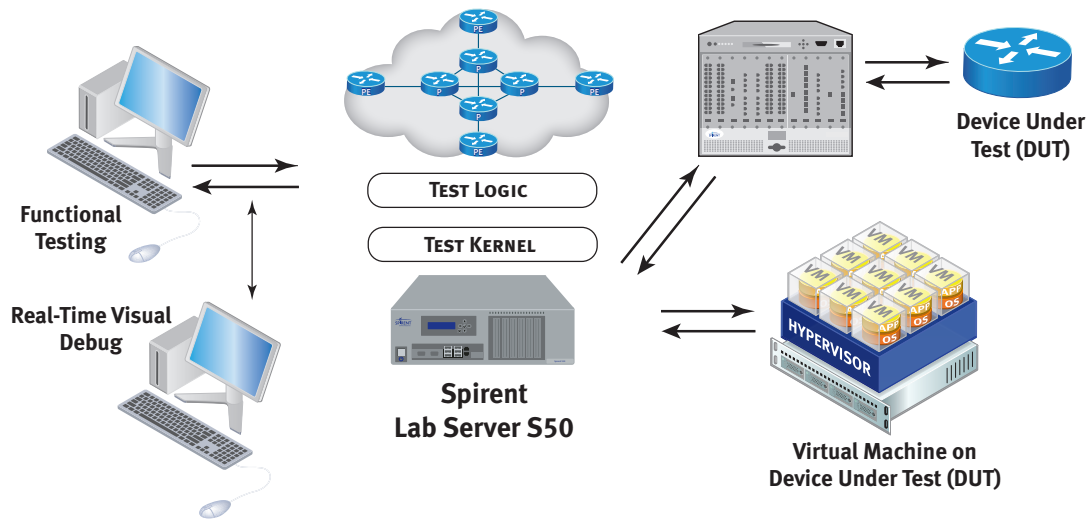
- Large test teams with up to 10-15 simultaneous users performing functional or low port density testing. More Lab Servers can be added to accommodate additional users.
- Small test teams performing device benchmarking at very high scale: maximum protocol scale testing or very high scale fabric capacity testing (several hundred ports and higher) or some combination of the two

### FEATURES & BENEFITS

- Effectively use test resources by allowing users to connect and disconnect from a live test
- Collaboratively debug with multiple users overseeing another user's actions
- Real-time GUI debugging of automation scripts
- Supports over 2,000 test ports in a single test (single user only)
- Support for both physical and virtual ports



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**TECHNICAL SPECIFICATIONS**

<b>ACC-0015D Spirent Lab Server, High Performance</b>	<ul style="list-style-type: none"> <li>• 2 x Intel® Xeon® E5-2630v2. 2.60GHz, 6 cores each</li> <li>• 64GB RAM, 1600MHz DDR3 SDRAM</li> <li>• 240GB SSD hard drive for system operation</li> <li>• 1TB 7200 RPM SATA hard drive for data storage and retrieval</li> </ul>
<b>Dimension</b>	5.25" H x 16.53" W x 19.75" D Fits standard 19" rack, 3U high
<b>Weight</b>	32 lbs. (14kg)
<b>Operating environment</b>	5°C—35°C
<b>Non-operating environment</b>	0°C—50°C
<b>Relative humidity</b>	10%—90% (non-condensing)
<b>Power requirements</b>	115-230V, 50/60 Hz—750W
<b>Regulatory approvals</b>	FCC Class A, EN 55022 Class A, EN 550

**ORDERING INFORMATION**

Description	Part Number
Spirent Lab Server S50, High Performance	ACC-0015D

**SUPPORTED MODULES & PLATFORMS**

- All Spirent hardware currently in production
- Spirent TestCenter software 4.37+
- Spirent TestCenter Virtual Endpoint

**REQUIREMENTS**

- Spirent TestCenter software version 4.37+

**SPIRENT SERVICES**

Spirent Global Services provides a variety of professional services, support services and education services—all focused on helping customers meet their complex testing and service assurance requirements. For more information, visit the Global Services website at [www.spirent.com](http://www.spirent.com) or contact your Spirent sales representative.

**AMERICAS** 1-800-SPIRENT • +1-818-676-2683 • [sales@spirent.com](mailto:sales@spirent.com)

**EUROPE AND THE MIDDLE EAST** +44 (0) 1293 767979 • [emeainfo@spirent.com](mailto:emeainfo@spirent.com)

**ASIA AND THE PACIFIC** +86-10-8518-2539 • [salesasia@spirent.com](mailto:salesasia@spirent.com)

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