



SPIRENT TESTCENTER

LAYER 2-7 TESTING

C100 PLATFORM

Spirent TestCenter™ C100 is a unified platform for application, mobility and security testing that provides engineers with the ability to conduct comprehensive tests to stay ahead of today's evolving network demands. It is especially designed for network equipment manufacturers, service providers and enterprises to test network and application performance at unprecedented scale with realism.

SOLUTION OVERVIEW

Today's networks have to support an increasing number of subscriber user sessions and enterprise applications across a range of connected devices while also managing stringent security and performance expectations. A modern enterprise or carrier network can be capable of handling more than tens of millions users of application sessions simultaneously—each accessing social media, video, business or peer-to-peer applications, while performing millions of application transactions per second. With this level of scale and application spread—equipment manufacturers and network operators need a test solution with matching scale and performance.

Spirent TestCenter C100 leverages Spirent's Performance, Availability, Security and Scale (PASS) test methodology to test carrier-class firewalls and security devices, video and content delivery networks (CDN), mobile app-aware and Wi-Fi offload gateways, deep packet inspection (DPI) and policy controls, as well as, web applications.

Designed for today's secure app-aware mobile, enterprise and carrier networks, the Spirent C100 features a custom-built architecture with Spirent-developed silicon—and is a single platform that supports testing capabilities of Spirent Landslide, Spirent Avalanche and Spirent Studio while increasing performance by 50 percent or more. It supports multiple 1G and 10G interfaces to achieve maximum performance.

APPLICATIONS

With Spirent TestCenter C100, engineers have, for the first time, a single test platform that can support a range of test cases, including testing of:

- High-end carrier class firewalls, IDS, IPS
- Video and content delivery networks
- Application-aware mobile gateways
- Mobile security
- Wi-Fi offload gateway
- Deep packet inspection (DPI)
- Next-generation firewalls
- Web security gateways



FEATURES & BENEFITS

- **Spirent Avalanche:** Most realistic application and security performance—now with even higher scale
 - 2.4 million new social application requests per second with almost 100 million active applications and 20Gbps of IPsec tunneled traffic
 - Multi 10Gbps of ABR video traffic including Apple®, Microsoft® and Adobe® with real client behavior-like bit rate changes, authentication and encryption technologies
- **Spirent Landslide:** Functional testing, data performance and control-plane scalability at the lowest per-UE cost available
 - 1 Million subscribers with realistic busy hour call models and mobile app traffic
 - Emulate mobile subscribers, authentication and malicious traffic
 - Test performance and scale of Wi-Fi offload gateway with tens of thousands of APs with hundreds of subscribers each
- **Spirent Studio:** Most accurate, agile and simple test tool for app-aware network environment
 - 20G of “always up-to-date” application traffic from cloud store
 - 150 thousand new application transactions per second— from cloud library to test content filtering, application identification and protection against threats and vulnerabilities
 - Mix 20Gbps of application traffic, 5 million simultaneous connections, and the latest attacks to test next generation firewalls with real apps and users

TECHNICAL SPECIFICATIONS FOR SPIRENT TESTCENTER C100	
Dimensions	5.25” H x 16.53” W x 19.75” D Fits standard 19” rack, 3U high
Weight	32 lbs. (14 kg)
Operating Environment	5°C–35°C
Non-Operating Environment	0°C–50°C
Relative Humidity	10%–90% (non-condensing)
Power Requirements	115-230V, 50/60 Hz – 750W
Regulatory Approvals	FCC Class A, EN 55022 Class A, EN 55024

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REQUIREMENTS

An IBM® compatible PC must meet the following minimum requirements to run the Spirent Avalanche:

- One 10/100/1000Base-T unshielded twisted pair (UTP) cable
- One 10 Mbps or 10/100/1000 Mbps Ethernet NIC card
- Intel® E6300 Core 2 Duo 4 (or equivalent)
- One serial port
- Minimum of 2 GB of RAM
- Minimum 10 GB free space on the hard drive
- Windows® XP operating system, Service Pack 2 (SP2)
- An SVGA color monitor (or equivalent) and a mouse
- Microsoft Terminal Services™ or HyperTerminal™, or equivalent communications software package
- DVD-ROM drive

ORDERING INFORMATION

Contact your Spirent Sales Representative for more information

SPIRENT SERVICES

Professional Services

- **Test lab optimization:** Test automation engineering services
- **Service deployment and service-level optimization:** Vendor acceptance testing, SLA benchmarking, infrastructure and security validation
- **Device scalability optimization:** POC high scalability validation testing

Education Services

- **Web-based training:** 24 x 7 hardware and software training
- **Instructor-led training:** Hands-on methodology and product training
- **Certifications:** SCPA and SCPE certifications

Implementation Services

- Optimized new customer productivity with up to three days of on-site assistance

