

# SPIRENT TESTCENTER

## SPIRENT TESTCENTER 3U CHASSIS

The Spirent TestCenter™ 3U chassis (SPT-3U) lays the foundation for testing converged multi-service devices using the HyperMetrics neXt™ family of test modules with Cloud Core™ processing. HyperMetrics neXt ensures delivery of the mobile multiplay experience by combining high-performance stateful traffic, high-scale routing, access, and mobile control plane in a single system.

### SOLUTION OVERVIEW

The SPT-3U chassis is the next generation in mobile chassis architecture, designed to handle tomorrow's most complex multiprotocol scale and cloud virtualization testing needs. The SPT-3U chassis supports all Spirent TestCenter HyperMetrics modules up to 100 Gbps. With ultra high-scale, green low-power per port, intelligent fan control, and full support for IPv4 and IPv6 control, the SPT-3U chassis provides the foundation for the highest performance mobile test system available today.

Because there is no central operating system or slow software proxy server bottleneck, the SPT-3U switched-Ethernet backplane design optimizes efficiency and performance when configuring tests and gathering results across multiple users or automation processes. This architecture approach yields the fastest time to test and eliminates concern with managing a virus prone operating system in the chassis. The SPT-3U innovative Android™ based touch screen allows easy chassis status monitoring and configuration.

### APPLICATIONS

- Mobile chassis solution for Spirent HyperMetrics neXt test modules
- Fully backward compatible with current and older generation cards
- Portable high-density 10G and 40/100G Ethernet
- Stratum-3 clock solution for ultra-precise PTP Grandmaster Clock emulation (Upgrade Stratum-1 with GPS Option)
- Full support for Routing Topology emulation and full Layer 2-7 Traffic
- Multi-user capability



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### SPIRENT TESTCENTER 3U CHASSIS

#### FEATURES & BENEFITS

- Mobile chassis solution for Spirent HyperMetrics neXT test modules
- Foundation for a portable high density 10G and 40/100G Ethernet test solution
- 3U height with 2 available module slots
- Fully compatible with all HyperMetrics neXT and previous generation modules
- Supports hot-swap of test modules
- Best-in-class timing precision with internal Stratum-3 clock solution for ultra-precise PTP grandmaster clock emulation (upgradeable to Stratum-1 with GPS Option)
- GPS option for high precision latency testing across wide geographies. Also supports CDMA TIA/EIA-95B, BITS, and NTP timing sources.
- Client software available for download from the chassis via web browser
- Enhanced reliability with an Ethernet hardware-switched backplane and no central proxy server or operating system point of failure
- Synchronize 255 chassis in a single test with dynamic automatic sync cable calibration
- Intelligent fan control—cools based on environment and module load
- Supports 10/100/1000 Mbps (half/full duplex in 10/100 mode) Ethernet connections to a host PC and can be set for auto-negotiation or manually-configured interface speed
- IPv4, IPv6, DHCPv4 and DHCPv6 chassis addressable
- Integrated handle and carry case option
- 19" rack mountable
- Multi-user/multi-process/multi-core/multi-threading design supports up to 32 users per chassis
- Easily removable hard drive for security
- Front panel indicator LEDs: Power, fan, link, status, and over-temperature
- Integrated touch screen for status display and configuration (can also be configured by serial port)

#### TECHNICAL SPECIFICATIONS

**Power:** 100-120/220-240VAC. Nominal 115 or 230 VAC, 50-60 Hz, 15A MAX (1200W maximum heat dissipation)

**Weight:** 29 lbs (13.6 kg) without test modules

**Dimensions:** 17.91" W x 5.71" H x 20.87" D  
(45.5cm W x 14.5cm H x 53cm D)

**Operating environment:** 59° to 104° F (15° to 35° C);  
20% to 80% relative humidity

#### 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.

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