SPIRENT TESTCENTER

HYPERMETRICS NEXT SERIES 11U CHASSIS

The HyperMetrics SPT-11U chassis 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.

With 96 x 10 Gbps ports in a single Spirent TestCenter chassis, HyperMetrics neXt scales to 960 Gbs of stateful data, 6 million mobile subscribers and 1 million BGP sessions. The SPT-11U chassis is the next generation in chassis architecture, designed to handle tomorrow's most complex multiprotocol scale and cloud virtualization testing needs

With ultra-high scale, green low-power per port, intelligent fan control, and full support for IPv4 and IPv6 control, the SPT-11U chassis provides the foundation for the highest performance test system available today.

Because there is no central operating system or software proxy server bottleneck, the SPT-11U switched-Ethernet backplane design optimizes efficiency and performance access when configuring tests and gathering results. This architecture approach yields the fastest time to test and eliminates concern with managing a virus prone operating system in the chassis.

FEATURES & BENEFITS OF THE SPT-11U CHASSIS

- 11 rack space units
  - Up to 2 terabits of cloud traffic per second of traffic
  - 192 x 10G ports, or 24 High Speed Ethernet ports per chassis
- 12 slots
  - Fully backward compatible with existing Spirent TestCenter test modules
  - Hot-swappable design
- Client software available for download from the chassis via the web
- 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
- Best-in-class timing precision
  - Startum-3 internal clock for ultra-low latency precision
  - GPS (Global Positioning System) option for testing precision across multiple geographies
  - CDMA (Code Division Multiple Access) TIA/EIA–95B option, external timing
  - BITS timing option for input clock source
  - NTP (Network Timing Protocol)
- 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
- 19” rack mountable
- NEBS compliant
- Multi-user/multi-process/multi-core/multi-threading design
  - Up to 32 users per chassis
- Field replaceable fan tray
- Front panel indicator LEDs: power, fan, link, status, and over temperature
- Back panel indicator LEDs: activity/collision, link/error, 10/100 Mbps, and 1000 Mbps
- DB9 serial port
- 4 redundant multi switching power supplies for reliability
- Power: 100-120/220-240 VAC. Nominal 115 or 230 VAC, 50-60 Hz., 15A MAX
  - Inlet AC requirement (4x) 115V @ 12A or (2x) 230V @ 12A (4x 230V @ 12A, N+2 power supply redundancy)
  - Peak Power Output: 4x 1200W (4800W) or 2x 2400W (4800W) operating at 230V
- BTU Requirements: 20,000 BTU/h (assume 80% heat load for air conditioning)
- Dimensions: 17.5”W x 19.25”H x 23”D (44.5W x 49H x 58.5D cm)
- Weight: 200 lbs. (90.7 kg) fully loaded.
- Shipping weight approx. 101 lbs. (46 kg)
- Operating environment: 59° to 104° F (15° to 35° C); 20% to 80% relative humidity

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