

Spirent **SPT-N4U Compact Chassis**

The Spirent SPT-N4U compact chassis is the smallest modular chassis form factor that supports Spirent's latest 10GbE, 40GbE and 100GbE test modules. By optimizing the design with the latest hardware and software technology, the SPT-N4U lowers the cost of testing the devices and networks powering the always-on data network.



The SPT-N4U supports Spirent's latest high-density test modules in a smaller chassis form-factor that incorporates innovative time- and money-saving capabilities such as: Built-in touchscreen administration, intelligent power and fan control, fast booting and system firmware upgrades.

With its efficient architecture, the SPT-N4U supports a variety of environments where the testing requires equipment to be relocated from time-to-time. It also supports multi-user functional testing and chassis chaining where higher density is required but a mainframe N11U is not available. The N4U is fully interoperable with the N11U and accepts the same test modules with no modifications.

Features & Benefits

- High-density in a small form-factor
 - Scales to 1.6 terabits of cloud traffic per second – 4 times the traffic capacity of the nearest competitor
 - Supports up to 24 40G ports, 96 10G ports, or 16 100G Ethernet ports per chassis
- Investment protection for existing hardware and future technologies
 - Fully backward-compatible with existing Spirent HyperMetrics and HyperMetrics Next test modules*
 - Does not require learning new UIs or APIs
 - 400G Ethernet ready
- Measurement reliability and accuracy
 - Best-in-class timing precision and synchronization (ten times better than the nearest competitor) for large scale tests and site-to-site latency/jitter measurements
 - Automatic calibration for chassis-to-chassis synchronization
 - Built-in external timing receiver (ETR) capability including native IEEE 1588v2 (PTP) support
- Innovative design
 - Built-in touchscreen for real-time chassis status and administration
 - 4x times faster boot time and 3x times faster firmware upgrades than previous systems
 - Client software download from the chassis via Web browser

** Requires ACC-2017A or ACC-2018A card carrier adapter. Please contact your Spirent sales representative for the list of supported modules.*

Spirent SPT-N4U Compact Chassis

Specifications	
Chassis design and form factor	<ul style="list-style-type: none">• EIA 19" rack compatible, 4RU high• 2 test module slots• Side-to-side airflow (left to right)• Field replaceable system hard drive
Administration and Operation	<ul style="list-style-type: none">• Up to 32 simultaneous users per chassis• IPv4 and IPv6 admin network compatible• Built-in Android touchscreen• SSH terminal emulation via Ethernet• Direct via external video connector and USB ports
Timing Synchronization	<ul style="list-style-type: none">• Via external timing receiver: PTP (IEEE 1588v2 Precision Timing Protocol), GPS (Global Positioning System), CDMA (Code Division Multiple Access), TIA/EIA-95B and NTP (Network Timing Protocol)• Direct chassis clustering and automatic sync cable calibration
Indicators and Controls	<ul style="list-style-type: none">• System power on/off• Controller reset• Built-in LCD touchscreen• Front panel LEDs: Temperature, fan, admin link, system and system power status; test module slot power status; chassis synchronization master/slave and status; and admin Ethernet link, speed and activity
Physical	<ul style="list-style-type: none">• Dimensions: 17.5"W x 7"H x 27.0"D (44.45 cm x 17.8 cm x 68.6 cm) 25" (63.5 cm) depth measured from front mounting flange• Installation and shipping weight: 58.6 lbs. (26.6 kg) (no test modules installed)• Approximate weight fully loaded: 81.6 lbs. (37 kg)
Power	<ul style="list-style-type: none">• Inlet AC for STC-N4U-110: 2 x 115V @ 12 A, or 2 x 230V @ 6A; one circuit dedicated for system and slot 1 operation, and one circuit for slot 2• Inlet AC for STC-N4U-220: 1 x 230V @ 12A• Peak power requirement: 2kW for fully loaded chassis
Environmental	<ul style="list-style-type: none">• Operating requirements: 59° to 95° F (15° to 35° C); 20% to 80% relative humidity• Heat dissipation: 6000 BTUs/h (assumes 80% heat load for air conditioning)
Connectors	<ul style="list-style-type: none">• Front panel: 4 x USB 2.0 (keyboard or mouse), DVI-I / VGA D15 video (console), 1 PPS and 10, MHz BNCs and DB9 serial DCE (for ETR support), 10/100/1000M BASE-T RJ-45 Ethernet (admin), Synch in/out RJ-45 (chassis synch chain), 1588 (unused) and System hard drive access panel• Rear panel: C20 power connector(s)

Requirements

Windows-based workstation with 10/100/1000 Mbps Ethernet NIC; mouse and color monitor required for GUI operation

Linux- or Windows-based workstation for Tcl and other API automation

Ordering Information

Description

Spirent chassis	Part number
Spirent N4U chassis and controller with 110V AC power supplies	SPT-N4U-110
Spirent N4U chassis and controller with 220V AC power supplies	SPT-N4U-220

Accessories

Hypermetrics single-slot card carrier for N11U/N4U chassis	ACC-2017A
Hypermetrics dual-slot card carrier for N11U/N4U chassis	ACC-2018A
Hard case for SPT-N4U	ACC-2019A
C20 to C19 PWR CORD, CHS-N11U OR CHS-11U to PDU, 20A 250V	ACC-2020A

Spirent SPT-N4U Compact Chassis

About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit:
www.spirent.com



Contact Us

For more information, call your Spirent sales representative or visit us on the web at www.spirent.com/ContactSpirent

www.spirent.com

© 2018 Spirent Communications, Inc. All of the company names and/or brand names and/or product names and/or logos referred to in this document, in particular the name "Spirent" and its logo device, are either registered trademarks or trademarks pending registration in accordance with relevant national laws. All rights reserved. Specifications subject to change without notice.

Americas 1-800-SPIRENT
+1-800-774-7368 | sales@spirent.com

US Government & Defense
info@spirentfederal.com | spirentfederal.com

Europe and the Middle East
+44 (0) 1293 767979 | emeainfo@spirent.com

Asia and the Pacific
+86-10-8518-2539 | salesasia@spirent.com