



Portable High-Density Network Performance Analysis System SmartBits® 600B

Product Overview

Spirent Communications' SmartBits 600B chassis is an improved version of the SmartBits 600. The SmartBits 600B is the industry's most portable and compact, high-port-density-for-its-size network performance testing system. Compatible with all of the SmartBits 600x/6000x family of chassis, the SmartBits 600B holds up to two modules that can support up to 16 10/100 Mbps Ethernet ports, 8 Gigabit Ethernet ports, 1 10GbE port, 4 Packet over SONET (POS) ports, 4 Fibre Channel ports, or a mixture of these port types.

SmartBits 600B chassis can be daisy-chained together to achieve higher port density; enabling users to perform automated large-scale testing in Quality Control and high-volume production environments. Up to 512 chassis can be synchronously connected by using SmartBits multi-chassis extension units.

The SmartBits 600B is easily controlled by a host computer through a 10/100 Mbps Ethernet connection and uses a Windows®, Linux, or Solaris-based interface.

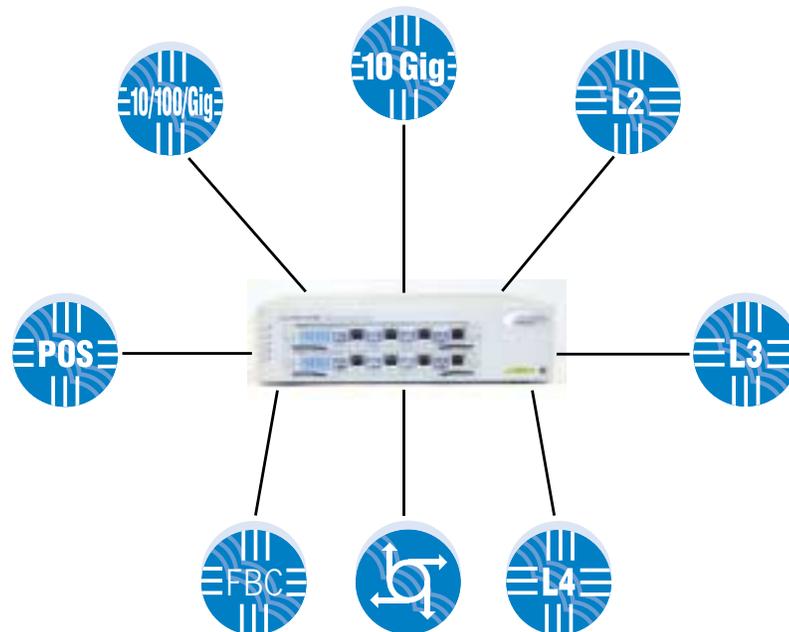
The SmartBits 600B is Designed For:

- **Network Equipment Manufacturers:** Test your device in the lab, then carry it along with a SmartBits 600B, to your customer site to prove your device's performance.

- **Evaluation Labs:** Test and certify different devices from various manufacturers to benchmark their performance.
- **Telcos/ISPs/Enterprise Users:** Perform comparative analysis of network equipment to determine the suitability of a specific application prior to deployment.

SmartBits 600B Features

- Small, lightweight, and portable.
- Holds up to two modules.
- Supports up to 16 10/100 Ethernet ports, 8 Gigabit Ethernet ports, 1 10GbE port, 4 Packet over SONET (POS) ports, 4 Fibre Channel ports, or a combination of these port types.
- Bundled with three PC-based software applications for comprehensive performance analysis (SmartWindow™, SmartLibrary™, and SmartApplications™).
- Supports sophisticated automated industry standard performance tests defined in RFC 1242 and RFC 2544.
- Supports 10/100 Mbps Ethernet connections to a host PC.
- Provides GPS (Global Positioning System), NTP (Network Timing Protocol), and CDMA (Code Division Multiple Access) TIA/EIA-95B, external timing reference support.
- Supports multi-user operation.
- Rack-mountable.



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Analyze | Assure | Accelerate™

SmartBits 600B test applications

Supported Applications

- AST II™
- Block Storage Tester™
- Fabric Services Tester™
- SAN Routing Tester™
- SmartApplications
- SmartBits Automation™
- SmartCableModem Test™
- SmartFabric™
- SmartFlow™
- SmartLibrary
- SmartMulticastIP™
- SmartTCP™
- SmartVoIPQoS™
- SmartWindow
- SmartxDSL™
- TeraRouting Tester™
- TeraVPN Tester™
- Turn Up Connect™
- WebSuite™

Supported Modules

Select up to two of the following modules, in any combination, to populate the SmartBits 600B chassis' two slots.

(Note: One module is the maximum for modules that require 2-slots.)

| Module | Description |
|--------------------|--|
| ATM-3451A | ATM OC-3c (STM-1c), 2-port, multi-mode, 1300nm, TeraMetrics |
| ATM-3451As | ATM OC-3c (STM-1c), 2-port, single mode, 1310nm, TeraMetrics |
| ATM-3453A | ATM OC-3c/OC-12c (STM-1c/STM-4c), 2-port, multi-mode, 1300nm, TeraMetrics |
| ATM-3453As | ATM OC-3c/OC-12c (STM-1c/STM-4c), 2-port, single mode, 1310nm, TeraMetrics |
| FBC-3601A | 1G Fibre Channel, 2-port, SmartMetrics |
| FBC-3602A | 1G and 2G Fibre Channel, 2-port, SmartMetrics |
| LAN-3100A | 10/100Base-T Ethernet, 8-port |
| LAN-3101B | 10/100Base-T Ethernet, 6-port, SmartMetrics |
| LAN-3102A | 10/100Base-T Ethernet, 2-port, SmartMetrics |
| LAN-3111A | 100Base-FX Ethernet, 6-port, multi-mode, 1300nm, SmartMetrics |
| LAN-3111As | 100Base-FX Ethernet, 6-port, single mode, 1310nm, SmartMetrics |
| LAN-3150A | 10/100Base-T Ethernet, RMI/SMII, 8-port |
| LAN-3200A | 1000Base-SX Ethernet, 2-port, multi-mode, 850nm |
| LAN-3200As | 1000Base-LX Ethernet, 2-port, single mode, 1310nm |
| LAN-3201B/C | 1000Base-X Ethernet, GBIC, 1-port, SmartMetrics |
| LAN-3300A | 10/100/1000Base-T Ethernet, Copper, 2-port, SmartMetrics |

| Module | Description |
|-------------------|---|
| LAN-3301A | 10/100/1000Base-T Ethernet, Copper, 2-port, TeraMetrics |
| LAN-3302A | 10/100Base-TX Ethernet, Copper, 2-port, TeraMetrics |
| LAN-3306A | 10/100Base-TX Ethernet, Copper, 4-port, TeraMetrics XD |
| LAN-3310A | 1000Base-X Ethernet, GBIC, 2-port, SmartMetrics |
| LAN-3311A | 1000Base-X Ethernet, GBIC, 2-port, TeraMetrics |
| LAN-3320A | 10/100/1000 Mbps and Gigabit Ethernet Fiber, 2-port, SmartMetrics XD |
| LAN-3321A | 10/100/1000 Mbps and Gigabit Ethernet Fiber, 2-port, TeraMetrics XD |
| LAN-3324A | 10/100/1000 Mbps and Gigabit Ethernet Fiber, 4-port, SmartMetrics XD |
| LAN-3325A | 10/100/1000 Mbps and Gigabit Ethernet Fiber, 4-port, TeraMetrics XD |
| LAN-3327A | 10/100/1000 Mbps and Gigabit Ethernet Fiber, 1-port, TeraMetrics XD |
| LAN-3710AE | 10GBase-ER Ethernet, 1-port, 2-slot, single mode, 1550nm |
| LAN-3710AL | 10GBase-LR Ethernet, 1-port, 2-slot, single mode, 1310nm |
| POS-3500B | POS OC-3c/OC-12c (STM-1c/STM-4c), 1-port, multi-mode, 1300nm, SmartMetrics |
| POS-3500Bs | POS OC-3c/OC-12c (STM-1c/STM-4c), 1-port, single mode, 1310nm, SmartMetrics |
| POS-3502A | POS OC-3c (STM-1c), 1-port, multi-mode, 1300nm, SmartMetrics |
| POS-3502As | POS OC-3c (STM-1c), 1-port, single mode, 1310nm, SmartMetrics |
| POS-3504As | POS OC-48c (STM-16c), 1-port, single mode, 1310nm, SmartMetrics |
| POS-3504AR | POS OC-48c (STM-16c), 1-port, single mode, 1550nm, SmartMetrics |
| POS-3505As | POS OC-48c (STM-16c), 1-port, single mode, 1310nm, TeraMetrics |
| POS-3505AR | POS OC-48c (STM-16c), 1-port, single mode, 1550nm, TeraMetrics |
| POS-3510A | POS OC-3c/OC-12c (STM-1c/STM-4c), 2-port, multi-mode, 1300nm, SmartMetrics |
| POS-3510As | POS OC-3c/OC-12c (STM-1c/STM-4c), 2-port, single mode, 1310nm, SmartMetrics |
| POS-3511A | POS OC-3c/OC-12c (STM-1c/STM-4c), 2-port, multi-mode, 1300nm, TeraMetrics |
| POS-3511As | POS OC-3c/OC-12c (STM-1c/STM-4c), 2-port, single mode, 1310nm, TeraMetrics |
| POS-3518As | POS OC-192c (STM-64c), 1-port, 2-slot, single mode, 1310nm, SmartMetrics |
| POS-3518AR | POS OC-192c (STM-64c), 1-port, 2-slot, single mode, 1550nm, SmartMetrics |

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| Module | Description |
|-------------------|---|
| POS-3519As | POS OC-192c (STM-64c), 1-port, 2-slot, single mode, 1310nm, TeraMetrics |
| POS-3519Ar | POS OC-192c (STM-64c), 1-port, 2-slot, single mode, 1550nm, TeraMetrics |
| XLW-3720A | 10GBase Ethernet, Optical, XENPAK, 1-port, 2-slot, SmartMetrics |
| XLW-3721A | 10GBase Ethernet, Optical, XENPAK, 1-port, 2-slot, TeraMetrics |

Requirements

- One SmartBits 600B chassis and up to two modules.
- One Ethernet cable and one 10/100 Ethernet card installed in the PC.
- An IBM or compatible Pentium™ PC running Windows® 2000/NT/XP, with mouse and color monitor.

Specifications

- SmartBits chassis with two module slots. Controllable over the Internet or from a PC equipped with SmartWindow.
- Input Power: 100-240 VAC. Nominal 115 or 230 VAC, 50-60 Hz.
- Dimensions: 12"W x 3.5"H x 12.5"D (30.8W x 9H x 32.1D cm).
- Weight: 5.25 lbs. (2.38 kg) fully loaded. Shipping Weight approx. 8.5 lbs. (3.85 kg).
- Operating environment: 59° to 104° F (15° to 40° C); 20 to 80% relative humidity. Must have space for unimpeded airflow into the chassis fans.

Ordering Information

SMB-600B

SmartBits 600B (includes SmartWindow, SmartLibrary, and SmartApplications)

ACC-6000A

19" Rackmount Option

ACC-6001A

24" Rackmount Option

Spirent Communications offers a variety of ServiceEdge™ maintenance and support packages. For more information, visit the Spirent website at www.spirentcom.com or contact your Spirent sales representative.

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