Portable High-Density Network Performance Analysis System
SmartBits® 600

Product Overview

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

SMB-600's 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 SMB-600 is easily controlled by a PC through a 10/100 Mbps Ethernet connection and uses a Windows®-based interface.

The SMB-600 is Designed for:

- Network Equipment Manufacturers: Test your device, then carry it along with an SMB-600, 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.

SMB-600 Features

- Small, lightweight, and portable.
- Holds up to two modules.
- Supports up to 16 10/100 Ethernet ports, 4 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™, SmartLib™, 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.

Supported Applications

- AST II™
- FaST Connect™
- SmartApplications™
- SmartCableModem Test ™
- SmartFabric™
- SmartFlow™
- SmartLib™ Programming Library
- SmartMulticastIP™
- SmartTCP™
- SmartVoIPQoS™
- SmartWindow™
- SmartxDSL™
- TeraRouting Tester™
- TeraVPN™
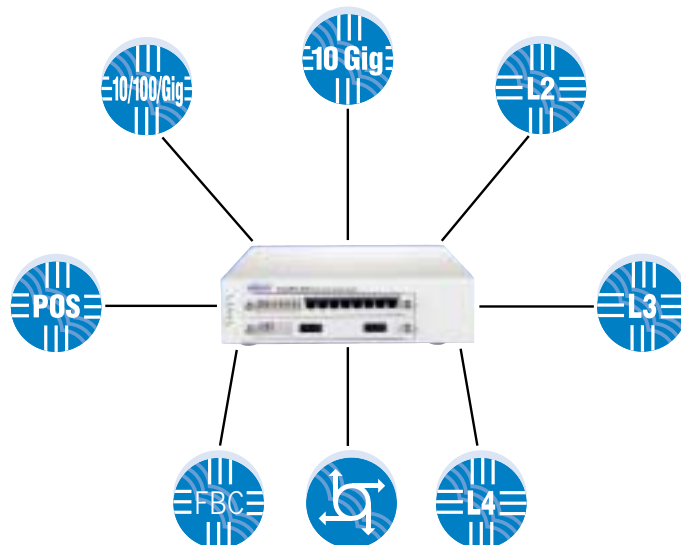- Turn Up Connect™
- WebSuite™

Spirent Communications
27349 Agoura Road
Calabasas Hills, CA
91301 USA
E-mail: productinfo
@spirentcom.com

Sales Contacts:
North America
+1 800-927-2660
Europe, Middle East, Africa
+33-1-6137-2250
Asia Pacific
+852-2166-8382
All Other Regions
+1 818-676-2683

www.spirentcom.com

SMB-600 test applications

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Communications

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Supported Modules

Select up to two of the following modules, in any combination, to fill the SMB-600's two chassis slots.

Module	Description
FBC-3601A/ 3602A	Fibre Channel 1G/1G and 2G, 2-port, SmartMetrics
LAN-3100A	10/100Base-TX Ethernet, 8-port
LAN-3101A	10/100Base-TX Ethernet, 6-port, SmartMetrics
LAN-3102A	10/100Base-TX 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 Ethernet, RMII/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	1000Base Ethernet, GBIC, 1-port, SmartMetrics
LAN-3300A	10/100/1000Base-T Ethernet, Copper, 2-port, multi-mode, SmartMetrics
LAN-3301A	10/100/1000Base-T Ethernet, Copper, 2-port, TeraMetrics
LAN-3302A	10/100Base-T Ethernet, Copper, 2-port, TeraMetrics
LAN-3310A	1000Base Ethernet, GBIC, 2-port, multi-mode, SmartMetrics
LAN-3311A	1000Base Ethernet, GBIC, 2-port, TeraMetrics
LAN-3710AL/ 3710AE	10GBase-LR/ER Ethernet, 1-port, 2-slot, single mode, 1310nm/1550nm
POS-3500B/ 3500Bs	POS OC-3c/OC-12c, 1-port, multi-mode/ single mode, SmartMetrics
POS-3502A/ 3502As	POS OC-3c, 1-port, multi-mode/single mode, SmartMetrics
POS-3504As/ 3504AR	POS OC-48c, 1-port, single mode, 1310nm/ 1550nm, SmartMetrics
POS-3505As/ 3505AR	POS OC-48c, 1-port, single mode, 1310nm/ 1550nm, TeraMetrics
POS-3510A/ 3510As	POS OC-3c/OC-12c, 2-port, multi-mode/ single mode, SmartMetrics
POS-3511A/ 3511As	POS OC-3c/OC-12c, 2-port, multi-mode/ single mode, 1300nm/1310nm, TeraMetrics
POS-3518As/ 3518AR	POS OC-192c, 1-port, 2-slot, single mode, 1310nm/1550nm, SmartMetrics
POS-3519As/ 3519AR	POS OC-192c, 1-port, 2-slot, single mode, 1310nm/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 SMB-600 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® 98/2000/NT, 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 230VAC, 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-600

SmartBits 600 (includes SmartWindow, SmartLib, and SmartApplications)

SUS-SMB

12-month Software Update Support Service (includes firmware support)

SMB-600

Spirent Communications
27349 Agoura Road
Calabasas Hills, CA
91301 USA
E-mail: productinfo
@spirentcom.com

Sales Contacts:
North America
+1 800-927-2660
Europe, Middle East, Africa
+33-1-6137-2250
Asia Pacific
+852-2166-8382
All Other Regions
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