

**Portable
High-Density
Network
Performance
Analysis**

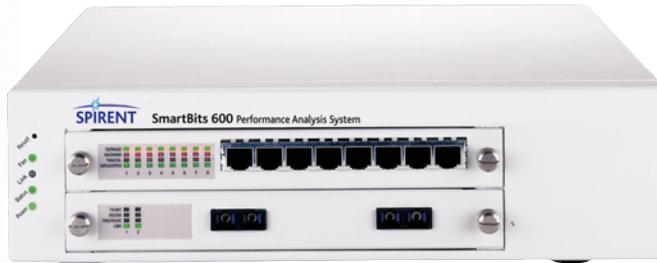
SmartBits® 600

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 4 Gigabit Ethernet ports, 16 10/100 Mbps Ethernet ports, 2 POS (Packet over SONET) ports, 2 SmartMetrics Gigabit 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.

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



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, 2 POS ports, 2 SmartMetrics Gigabit 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

SmartWindow

SmartWindow is a Windows-based virtual front panel used to control all SmartCard/module functions. The application provides a convenient method to set up any combination of ports, monitor module status, and view gathered data.

SmartLib Programming Library

SmartLib is a powerful programming tool that developers can use to create custom applications for testing networks and network devices using SmartBits chassis. SmartLib supports programming in Visual Basic, C, C++, or Tcl in Windows 98/2000/NT environments, and C, C++, or Tcl in a Unix® environment.

SmartApplications

SmartApplications provides automated testing for throughput, packet loss, and latency according to RFC 2544.

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SmartBits 600

ScriptCenter™

ScriptCenter provides a user-friendly, platform-independent environment for creating and running canned and customized scripts.

SmartFlow™

SmartFlow enables QoS testing to analyze the performance and characteristics of policy-based network devices. Traffic with differing levels of service is generated and the performance of each incoming stream is analyzed to quantify the ability of the device under test to handle the priority policies under varying traffic loads.

SmartVoIPQoS™

SmartVoIPQoS tests a network's ability to deliver both voice and data.

SmartMulticastIP™

SmartMulticastIP measures IP multicast performance of routers and switches.

SmartTCP™

SmartTCP characterizes TCP session performance of server load balancers by measuring the capacity of a device to establish, maintain, and tear down TCP sessions.

SmartxDSL™

SmartxDSL provides traffic performance analysis for testing and evaluating xDSL products and services.

SmartCableModemTest™

SCMT measures key cable modem performance parameters, such as latency and sequence tracking under varying traffic loads.

AST II™

AST II tests the overall performance of LAN switches. The application supports a variety of tests, including full-mesh switch testing based on RFC 2285 and the IETF Switch Methodology Draft.

SUPPORTED MODULES

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

Module	Description
LAN-3100A	10/100 Ethernet, multi-mode module
LAN-3101A	10/100 Ethernet, multi-mode, SmartMetrics module
LAN-3200A/3200As	1000Base Ethernet, multi-mode/single-mode module
LAN-3201A/3201As	1000Base Ethernet, multi-mode/single-mode SmartMetrics module
LAN-3201B	1000Base Ethernet, GBIC, multi-mode, SmartMetrics module
LAN-3300A	10/100/1000 Copper, multi-mode, SmartMetrics module
LAN-3301A	10/100/1000 Copper, multi-mode, TeraMetrics module
LAN-3310A	1000Base Ethernet, GBIC, multi-mode, SmartMetrics module
LAN-3311A	1000Base Ethernet, GBIC, multi-mode, TeraMetrics module
POS-3500B/3500Bs	POS OC-3/OC-12, multi-mode/single-mode, SmartMetrics module
POS-3502A/3502As	POS OC-3, multi-mode/single-mode, SmartMetrics module
POS-3504As/3504Ar	POS OC-48c, single-mode, 1310nm/1550nm, SmartMetrics module
POS-3505As/3505Ar	POS OC-48c, single-mode, 1310nm/1550nm, TeraMetrics module

REQUIREMENTS

- One SMB-600 chassis and up to two modules.
- One Ethernet cable and one 10/100 Ethernet card installed in the PC; an RS-232 straight-through (not null modem) cable for initial configuration.
- An IBM or compatible Pentium™ PC running Windows 98/2000/NT, with mouse and color monitor.

SPECIFICATIONS

- SmartBits chassis with two-module capacity. 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)