

Highest Port Density Performance Analysis System

SmartBits® 6000B

Product Overview

Spirent Communications' SmartBits 6000B (SMB-6000B) chassis is the industry's highest-port-density network performance analysis test system. Each chassis can support up to 96 10/100 Mbps Ethernet ports, 24 Traditional Gigabit Ethernet ports, 12 POS (Packet over SONET) ports, 24 SmartMetrics™ Gigabit Ethernet ports, 12 Fibre Channel ports, 6 10GbE ports, or a mixture of these port types.

SmartBits 6000B's can be daisy-chained together to achieve ultra high-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-6000B is easily controlled by a PC through a 10/100 Mbps Ethernet connection and uses a Windows® based interface.

The SMB-6000B Is Designed for:

- Network Equipment Manufacturers: Perform ultra high-port density for engineering, production, and QA testing.
- 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 suitability to a specific application prior to deployment.

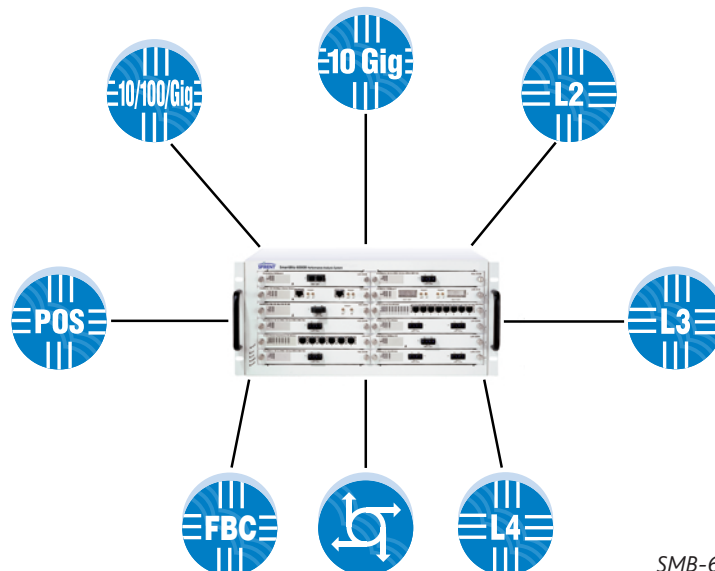
SMB-6000B Features

- Holds up to twelve modules.
- Supports up to 96 10/100 Ethernet ports, 24 Traditional Gigabit Ethernet ports, 12 POS ports, 24 SmartMetrics Gigabit Ethernet ports, 12 Fibre Channel ports, 6 10GbE ports, or a combination of these port types.

- Bundled with three PC-based software applications for comprehensive stress testing (SmartWindow™, SmartLib™, and SmartApplications™).
- Supports sophisticated automated industry standard performance tests defined in RFC 1242 and RFC 2544.
- Supports a 10/100 Mbps Ethernet or Telnet connection to the host PC.
- Provides GPS (Global Positioning System) and NTP (Network Timing Protocol) support.
- Supports multi-user operation.
- Provides security through SmartAccess™ software (included with SMB-6000B shipments).
- Rack-mountable.

Supported Applications

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



SMB-6000B test applications

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Supported Modules

Select up to twelve of the following modules, in any combination, to fill the SMB-6000B's twelve chassis slots.

Module	Description
LAN-3100A	10/100Base-TX Ethernet, 8-port, module
LAN-3101A	10/100Base-TX Ethernet, 6-port, SmartMetrics module
LAN-3102A	10/100Base-TX Ethernet, 2-port, SmartMetrics module
LAN-3111A	100Base-FX Ethernet, 6-port, multi-mode, 1300nm, SmartMetrics module
LAN-3111As	100Base-FX Ethernet, 6-port, single mode, 1310nm, SmartMetrics module
LAN-3150A	10/100Base Ethernet, 8-port, RMII/SMII module
LAN-3200A	1000Base-SX Ethernet, 2-port, multi-mode, 850nm module
LAN-3200As	1000Base-LX Ethernet, 2-port, single mode, 1310nm module
LAN-3201B	1000Base Ethernet, GBIC, 1-port, SmartMetrics module
LAN-3300A	10/100/1000Base-T Ethernet, Copper, 2-port, SmartMetrics module
LAN-3301A	10/100/1000Base-T Ethernet, Copper, 2-port, TeraMetrics module
LAN-3302A	10/100Base-T Ethernet, Copper, 2-port, TeraMetrics module
LAN-3310A	1000Base-X Ethernet, GBIC, 2-port, SmartMetrics module
LAN-3311A	1000Base-X Ethernet, GBIC, 2-port, TeraMetrics module
LAN-3710As	10 GBase-SR Ethernet, 1-port, 2-slot, multi-mode, 850nm module
LAN-3710AL/3710AE	10GBase-LR/ER Ethernet, 1-port, 2-slot, single mode, 1310nm/1550nm module
POS-3500B/3500Bs	POS OC-3c/OC-12c, 1-port, multi-mode/single mode, SmartMetrics module
POS-3502A/3502As	POS OC-3c, 1-port, multi-mode/single mode, SmartMetrics module
POS-3504As/3504Ar	POS OC-48c, 1-port, single mode, 1310nm/1550nm, SmartMetrics module
POS-3505As/3505Ar	POS OC-48c, 1-port, single mode, 1310nm/1550nm, TeraMetrics module
POS-3510A/3510As	POS OC-3/OC-12, 1-port, multi-mode/single mode, TeraMetrics module
POS-3511A/3511As	POS OC-3/OC-12, 1-port, multi-mode/single mode, TeraMetrics module
POS-3518As/3518Ar	POS OC-192c, 1-port, 2-slot, single mode, 1310nm/1550nm, SmartMetrics module
POS-3519As/3519Ar	POS OC-192c, 1-port, 2-slot, single mode, 1310nm/1550nm, TeraMetrics module
FBC-3601A/3602A	Fibre Channel 1G/1G and 2G, 2-port, SmartMetrics module

Requirements

- One SMB-6000B chassis and one or more 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 12-module capacity. Controllable over the Internet or from a PC equipped with SmartWindow.
- Input Power: 100-240 VAC. Nominal 115 or 230 VAC, 50-60 Hz.
- Controllable over the Internet or from a PC with SmartWindow.
- Dimensions: 19"W x 8.5"H x 16.5"D (48.3W x 21.6H x 41.9D cm).
- Weight: 45 lbs. (20.4 kg) fully loaded. Shipping Weight approx. 48 lbs. (21.8 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.
- Front panel LEDs: Power, Fan, Link, Status.
- Back panel LEDs: Activity/Collision, Link/Error, Full/Half Duplex, and 10/100 Ethernet.
- Connectors: RS-232 for workstation connection; RJ-45 10 Base-T connector for Ethernet connection; RJ-45 Expansion In/Out connectors for multiple chassis connection; connectors to attach to an optional GPS receiver.

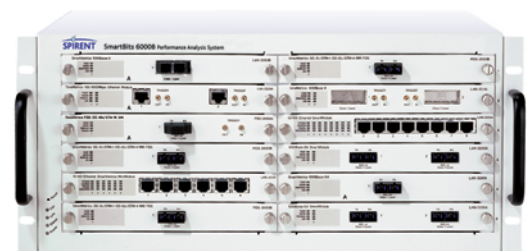
Ordering Information

SMB-6000B

SmartBits 6000B (includes SmartWindow, SmartLib, and SmartApplications)

SUS-SMB

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



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