Highest Port Density Performance Analysis System
SmartBits® 6000C

Product Overview

Spirent Communications' SmartBits 6000C (SMB-6000C) chassis is the industry's highest-port-density network performance analysis test system. Each chassis can support up to 12 slots of a wide variety of test modules to suit port density and technology needs.

SmartBits 6000Cs can be interconnected to achieve ultra high-port density, enabling users to perform automated large scale testing in Quality Control and high-volume production environments. Up to 8 chassis can be synchronously connected together using a simple cable; this can be extended up to 512 chassis using SmartBits multi-chassis extension units.

The SMB-6000C is easily controlled by a host computer through a 10/100 Mbps Ethernet connection and uses a Windows®, Linux, or Solaris-based interface.

The SMB-6000C Is Designed For:

- **Network Equipment Manufacturers:** Perform ultra highport 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-6000C Features

- Holds up to twelve modules.
- Supports up to 96 10/100 Ethernet ports, 48 Gigabit Ethernet ports, 6 10GbE ports, 24 POS ports, 24 Fibre Channel 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), NTP (Network Timing Protocol), and CDMA (Code Division Multiple Access) TIA/EIA–95B, external timing reference support.
- Supports multi-user operation.
- An optional LockBar™ accessory is available to secure modules within the SMB-6000C chassis.
- Rack-mountable.

Supported Applications

- AST ll™
- Fast Connect™
- SAN Router Tester™
- SmartBits API™
- SmartApplications
- SmartCableModem Test™
- SmartFabric™
- SmartFlow™
- SmartLib Programming Library
- SmartMulticastIP™
- SmartTCP™
- SmartVoIPQoS™
- SmartWindow
- SmartxDSL™
- Spirent Connect™
- TeraRouting Tester™
- TeraVPN™
- WebSuite™
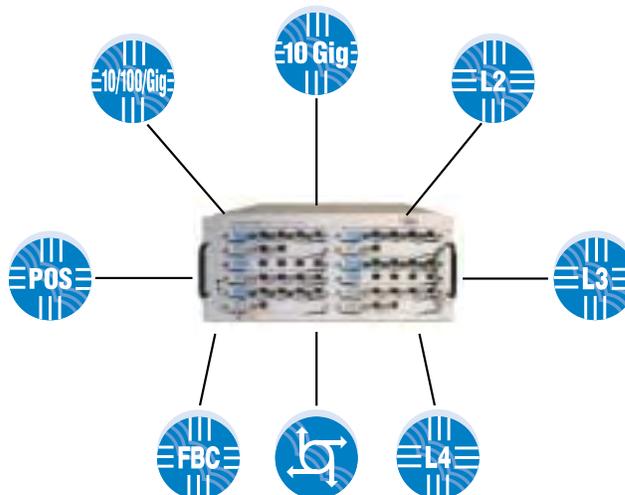
SMB-6000C test applications

SPIRENT
Communications

Analyze | *Assure* | *Accelerate*™

Supported Modules

Select up to twelve of the following modules, in any combination, to fill the SMB-6000C's twelve chassis 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, 1300nm, 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, 1300nm, TeraMetrics
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/C	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-3306A	10/100Base-T Ethernet, Copper, 4-port, TeraMetrics XD
LAN-3310A	1000Base Ethernet, GBIC, 2-port, SmartMetrics
LAN-3311A	1000Base 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-3710AL/ 3710AE	10GBase-LR/ER Ethernet, 1-port, 2-slot, single mode, 1310nm/1550nm

Module	Description
POS-3500B/ 3500Bs	POS OC-3c/OC-12c (STM-1c/STM-4c), 1-port, multi-mode/single mode, SmartMetrics
POS-3502A/ 3502As	POS OC-3c (STM-1c), 1-port, multi-mode/single mode, SmartMetrics
POS-3504As/ 3504AR	POS OC-48c (STM-16c), 1-port, single-mode, 1310nm/1550nm, SmartMetrics
POS-3505As/ 3505AR	POS OC-48c (STM-16c), 1-port, single mode, 1310nm/1550nm, TeraMetrics
POS-3510A/ 3510As	POS OC-3c/OC-12c (STM-1c/STM-4c), 2-port, multi-mode/single mode, SmartMetrics
POS-3511A/ 3511As	POS OC-3c/OC-12c (STM-1c/STM-4c), 2-port, multi-mode/single mode, 1300nm, TeraMetrics
POS-3518As/ 3518AR	POS OC-192c (STM-64c), 1-port, 2-slot, single mode, 1310nm/ 1550nm, SmartMetrics
POS-3519As/ 3519AR	POS OC-192c (STM-64c), 1-port, 2-slot, single mode, 1310nm, TeraMetrics
XLW-3720A	10GBase Ethernet Optical, XENPAK MSA, 1-port, 2-slot, SmartMetrics
XLW-3721A	10GBase Ethernet Optical, XENPAK MSA, 1-port, 2-slot, TeraMetrics

Requirements

- One SMB-6000C chassis and one or more 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/XP, 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.
- Dimensions: 19"W x 8.5"H x 19.75"D (48.3W x 21.6H x 50.165D cm).
- Weight: 54 lbs. (24.4 kg) fully loaded. Shipping Weight approx. 58 lbs. (26.3 kg).
- Operating environment: 59º to 104ºF (15º to 40ºC); 20 to 80% relative humidity. Must have space for unimpeded airflow into the chassis fans, and out of the chassis vents. Must also have blank panels installed for all empty slots.
- Front panel LEDs: Power, Fan, Link, Status, and Over Temperature.
- 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, or CDMA receiver.

Ordering Information

SMB-6000C

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

SUS-SMB

12-month Software Update Support Service (includes firmware support)
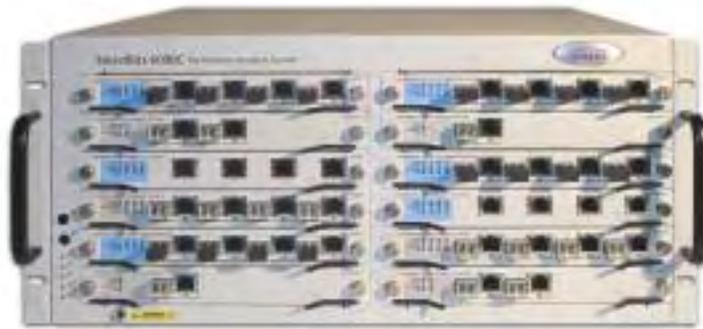
SmartBits 6000C

Spirent Communications
26750 Agoura Road
Calabasas, CA
91302 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

SPIRENT
Communications