

**Aumictech**

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Data Sheet

August 3, 2026

SPIRENT

Spirent SmartBits SMB-6000B Chassis with POS-3500B'S X 2

The Spirent SmartBits SMB-6000B chassis is a high-density network performance analysis system that integrates up to twelve interface modules for rigorous testing and validation of network infrastructure. This configuration pairs the chassis with two POS-3500B modules, enabling OC-3c/STM-1 (155 Mbps) and OC-12c/STM-4 (622 Mbps) Packet over SONET/SDH testing at single-port density per module. The system delivers detailed performance analysis, protocol validation, and troubleshooting across SONET/SDH and IP infrastructures.

Compatibility & Integration The SMB-6000B accepts various Spirent interface modules and supports standardized testing across heterogeneous network environments. Control occurs through a PC with 10/100 Mbps Ethernet connectivity. The system bundles PC-based software applications for comprehensive test execution and reporting. Aumictech offers NIST-traceable calibration



MODEL

Spirent SMB-6000B/POS-3500B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SMB-6000B/POS-3500B

LISTING

<https://aumictechlabs.com/products/smb-6000b-pos-3500b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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Technical Specifications

Chassis Architecture: Module capacity: 12 slots maximum Daisy-chaining support: Up to 512 SMB-6000B chassis via multi-chassis extension units Port density: Configurable mix of 10/100 Mbps Ethernet, Gigabit Ethernet, 10GbE, POS, and Fibre Channel ports

POS-3500B Module Specifications: Configuration: Single-port per module Line rates: OC-3c/STM-1 (155 Mbps) or OC-12c/STM-4 (622 Mbps) IP stream simulation: Up to 8,192 independent streams Capture buffer: 1 MB onboard Frame modes: Single-burst, multi-burst, continuous transmission Payload support: SONET/SDH framing with configurable scrambling Analysis and Testing: SmartMetrics Layer 2 and 3 testing across POS, Gigabit Ethernet, Fast Ethernet, ATM, and Frame Relay Latency monitoring and IP frame sequencing analysis Standard metrics: Latency, bandwidth, and total throughput measurement

Key Features

- Synchronous multi-chassis extension for large-scale testing campaigns
- Configurable frame sizes, rates, and transmission modes
- Cross-protocol interoperability testing (POS to Ethernet/ATM/Frame Relay)
- PC-based control via 10/100 Mbps Ethernet or internet connection
- Windows-compatible SmartWindow interface

Typical Applications

- Network equipment manufacturing validation
- Evaluation laboratory testing
- SONET/SDH infrastructure certification
- Enterprise network performance characterization

Compatibility & Integration

The SMB-6000B accepts various Spirent interface modules and supports standardized testing across heterogeneous network environments. Control occurs through a PC with 10/100 Mbps Ethernet connectivity. The system bundles PC-based software applications for comprehensive test execution and reporting.

Features & description

From manufacturer datasheet

Features

- SMB-6000B: 12 module slots; up to 96 ports chassis capacity; 19" × 8.5" × 16.5"; ~45 lbs loaded • 2 × POS-3500B: OC-3c/STM-1 and OC-12c/STM-4 multimode POS, SmartMetrics • Compatible with SMB-600/6000B 3xxx module family • Host control: 10/100 Ethernet; RS-232 setup; expansion RJ-45 multi-chassis sync • Core apps: SmartWindow, SmartLib, SmartApplications

SMB6000BPOS3500B Characteristics / Specifications

PARAMETER	VALUE
Model	SMB-6000B with 2 × POS-3500B
Manufacturer	Spirent Communications
Instrument Type	SmartBits chassis + POS modules
Alias	SMB-6000B; POS-3500B; POS-3500Bs (single-mode sibling) SMB-6000B Chassis
Slots	12; Max ports: 96
Input Power	100–240 VAC, 50–60 Hz
Dimensions	19" W × 8.5" H × 16.5" D (48 × 22 × 42 cm)
Weight	45 lbs (20.4 kg) fully loaded
Operating Temperature	15–40 °C; Humidity: 20–80% RH non-condensing
Interfaces	RS-232; RJ-45 10BASE-T host; Expansion In/Out; optional GPS POS-3500B Module (each)
Type	SmartMetrics POS module for SMB-600/6000B
Rates	OC-3c/STM-1 and OC-12c/STM-4
Media	Multimode (POS-3500Bs = single-mode variant)
Ports	POS OC-3/OC-12 class per module (confirm faceplate optics) Standard Operating Conditions Clear side fan airflow; local multi-chassis links within 1 m. Use multimode fiber plant with POS-3500B (not LX single-mode). Operational Notes
SMB-6000B	12 module slots; up to 96 ports chassis capacity; 19" × 8.5" × 16.5"; ~45 lbs loaded
2 × POS-3500B	OC-3c/STM-1 and OC-12c/STM-4 multimode POS, SmartMetrics
Host control	10/100 Ethernet; RS-232 setup; expansion RJ-45 multi-chassis sync
Core apps	SmartWindow, SmartLib, SmartApplications
Humidity	20–80% RH non-condensing

SMB6000BPOS3500B Specifications

PARAMETER	VALUE
Key Features	- SMB-6000B: 12 module slots; up to 96 ports chassis capacity; 19" × 8.5" × 16.5"; ~45 lbs loaded
Technical Specifications	Model: SMB-6000B with 2 × POS-3500B
Standard Operating Conditions	Clear side fan airflow; local multi-chassis links within 1 m. Use multimode fiber plant with POS-3500B (not LX single-mode).
Operational Notes	Catalog apostrophe in "POS-3500B'S" denotes two POS-3500B modules. Confirm multimode vs POS-3500Bs single-mode before connecting fiber.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	15–40 °C; Humidity: 20–80% RH non-condensing
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Type	SmartMetrics POS module for SMB-600/6000B
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Ports	POS OC-3/OC-12 class per module (confirm faceplate optics) Standard Operating Conditions Clear side fan airflow; local multi-chassis links within 1 m. Use multimode fiber plant with POS-3500B (not LX single-mode). Operational Notes

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance testing; OC-3/OC-12 throughput, latency, and loss; multi-port RFC-oriented WAN/POS validation; high-density SmartBits lab systems.

Key Features

- SMB-6000B: 12 module slots; up to 96 ports chassis capacity; 19" × 8.5" × 16.5"; ~45 lbs loaded
- 2 × POS-3500B: OC-3c/STM-1 and OC-12c/STM-4 multimode POS, SmartMetrics
- Compatible with SMB-600/6000B 3xxx module family
- Host control: 10/100 Ethernet; RS-232 setup; expansion RJ-45 multi-chassis sync
- Core apps: SmartWindow, SmartLib, SmartApplications

Technical Specifications

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Model	SMB-6000B with 2 × POS-3500B
Manufacturer	Spirent Communications
Instrument Type	SmartBits chassis + POS modules
Alias	SMB-6000B; POS-3500B; POS-3500Bs (single-mode sibling)

SMB-6000B Chassis

Specifications

PARAMETER	VALUE
Slots	12; Max ports: 96
Input Power	100-240 VAC, 50-60 Hz
Dimensions	19" W × 8.5" H × 16.5" D (48 × 22 × 42 cm)
Weight	45 lbs (20.4 kg) fully loaded
Operating Temperature	15-40 °C; Humidity: 20-80% RH non-condensing
Interfaces	RS-232; RJ-45 10BASE-T host; Expansion In/Out; optional GPS

POS-3500B Module (each)

Specifications

PARAMETER	VALUE
Type	SmartMetrics POS module for SMB-600/6000B
Rates	OC-3c/STM-1 and OC-12c/STM-4
Media	Multimode (POS-3500Bs = single-mode variant)
Ports	POS OC-3/OC-12 class per module (confirm faceplate optics)

Standard Operating Conditions

Clear side fan airflow; local multi-chassis links within 1 m. Use multimode fiber plant with POS-3500B (not LX single-mode).

Operational Notes

Catalog apostrophe in "POS-3500B'S" denotes two POS-3500B modules. Confirm multimode vs POS-3500Bs single-mode before connecting fiber.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.