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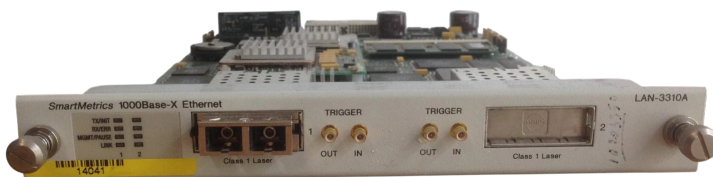
Data Sheet

August 13, 2026

SPIRENT

Spirent Smartbits LAN-3311A 2-Port 1000SX Module for SMB6000B/C

The Spirent Smartbits LAN-3311A is a 2-Port 1000SX Gigabit Ethernet test module designed for use with Spirent Smartbits SMB6000B/C chassis. It enables comprehensive testing and performance analysis of Gigabit Ethernet networks and devices, supporting various traffic generation and analysis functionalities.



MODEL

Spirent LAN-3311A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LAN-3311A

LISTING

<https://aumictechlabs.com/products/lan-3311a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Spirent Smartbits LAN-3311A is a 2-port 1000Base-X Gigabit Ethernet test module engineered for the SMB6000B/C chassis. This TeraMetrics line module delivers wire-rate traffic generation and analysis across dual ports, each rated at 1 Gbps. It supports hot-swappable GBIC converters for flexible fiber connectivity, enabling multi-mode or single-mode fiber deployment. The LAN-3311A executes comprehensive Layer 2 and Layer 3 network testing, from QoS analysis to device qualification under extreme traffic loads. Technical Specifications Interface Type: 1000Base-X Ethernet with GBIC (Gigabit Interface Converter) support Ports: 2 Data Rate: 1 Gbps per port Wavelength: 850 nm (typical for 1000Base-SX multi-mode fiber) Frame Size Range: 40 to 16,384 bytes Capture Buffer: 1 MB Stream Capacity: Analysis of up to 64,000 streams Chassis

Compatibility: SMB6000B, SMB6000C, and SMB-600 Slot Requirement: One slot per moduleKey Features Generates and responds to 802.3x flow control frames Supports 802.1p, 802.1q, and 802.3ac VLAN-tagged frames IP header checksum generation and validation with source/destination increments Bit error detection in Layer 3 forwarding devices Simulates millions of clients and servers across virtually unlimited address space Mask-based address skipping for streamlined test configuration 1 MB capture buffer logs and exports filtered events to protocol analysis toolsTesting Capabilities Performance measurement of 10/100/1000 Mbps networking devices under typical and extreme traffic conditions Stress and negative testing via errored traffic injection Interoperability validation for Layer 2 and Layer 3 devices Network layer QoS analysis and comparative device performance analysis Firmware regression and post-upgrade qualification testingCompatibility & Integration Installs in a single module slot within SMB6000B, SMB6000C, or SMB-600 chassis. Hot-swappable GBIC converters enable selection of multi-mode or single-mode fiber with standard LC connectors based on GBIC type installed.

Features & description

From manufacturer datasheet

Features

- 2 independent Gigabit Ethernet ports

LAN3311A Characteristics / Specifications

PARAMETER	VALUE
Model	LAN-3311A
Manufacturer	Spirent Communications
Instrument Type	TeraMetrics Gigabit Ethernet module
Ports	2
Line Rate	1000 Mbps
Interface	GBIC (1000SX class MM/SM)
GBIC Multimode	ACC-6002A MM
Frame Length	40 to 16384 bytes
Chassis Compatibility	SMB-600; SMB-6000B
Slots Occupied	1
Processor	1 Pentium-class on module
Metrics Class	Frame loss; latency; sequence tracking
Test Domains	Ethernet-Ethernet; Ethernet-ATM; Ethernet-POS (with peer modules)
Alias	LAN-3311A; Spirent LAN-3311A
Related Module	LAN-3310A SmartMetrics 1000SX; LAN-3302A 10/100
Form	SmartBits plug-in module
Product Family	SmartBits TeraMetrics Ethernet Notes Specs from Spirent LAN-3311A TeraMetrics module documentation and authorized reseller tables. Confirm installed GBICs (MM vs SM) and chassis type on the system.
Chassis	SMB-600 / SMB-6000B (1 slot)
Density	up to 4 ports in SMB-600; up to 24 ports in SMB-6000B

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 and interoperability testing; Ethernet-Ethernet / Ethernet-ATM / Ethernet-POS system tests with other SmartBits modules; latency, frame loss, and sequence analysis; high-port-density SmartBits fiber test beds.

Key Features

- 2 independent Gigabit Ethernet ports
- Line rate 1000 Mbps
- GBIC MM/SM hot-pluggable optics
- TeraMetrics frame loss, latency, sequence tracking
- On-board Pentium-class processor
- Chassis: SMB-600 / SMB-6000B (1 slot)
- Density: up to 4 ports in SMB-600; up to 24 ports in SMB-6000B
- Frame length 40-16384 bytes class

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	LAN-3311A
Manufacturer	Spirent Communications
Instrument Type	TeraMetrics Gigabit Ethernet module

Specifications

PARAMETER	VALUE
Ports	2
Line Rate	1000 Mbps
Interface	GBIC (1000SX class MM/SM)

GBIC Multimode: ACC-6002A MM

GBIC Single-Mode: ACC-6003A SM

Specifications

PARAMETER	VALUE
Frame Length	40 to 16384 bytes
Chassis Compatibility	SMB-600; SMB-6000B
Slots Occupied	1

Max Modules SMB-600: 2 (4 ports)

Max Modules SMB-6000B: 12 (24 ports)

Specifications

PARAMETER	VALUE
Processor	1 Pentium-class on module
Metrics Class	Frame loss; latency; sequence tracking
Test Domains	Ethernet-Ethernet; Ethernet-ATM; Ethernet-POS (with peer modules)

Specifications

PARAMETER	VALUE
Alias	LAN-3311A; Spirent LAN-3311A
Related Module	LAN-3310A SmartMetrics 1000SX; LAN-3302A 10/100
Form	SmartBits plug-in module

Product Family: SmartBits TeraMetrics Ethernet

Notes

Specs from Spirent LAN-3311A TeraMetrics module documentation and authorized reseller tables. Confirm installed GBICs (MM vs SM) and chassis type on the system.

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.