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Data Sheet

August 3, 2026

SPIRENT ADTECH

Spirent Adtech AX 4000 Broadband Test System w/ 2x 401428 / 403103 / 403100

Spirent Adtech AX 4000 Broadband Test System w/ 2x 401428 / 403103 / 403100 The AX/4000 (Adtech / Spirent) provides a modular multiport broadband test platform for ATM, IP, Frame Relay, and Ethernet at rates historically up to 10 Gbps. Field-programmable generator/analyzer modules and interchangeable line interfaces support access and core performance, QoS, and conformance testing. This catalog configuration lists an AX 4000 system with 2x each of part numbers 401428, 403103, and 403100 (chassis/module mix as labeled on the listing). Reseller references identify 401428 as an AX/4000 mainframe/chassis-class part used in multi-slot Adtech configurations. The AX/4000 (Adtech / Spirent) provides a modular multiport broadband test platform for ATM, IP, Frame Relay, and Ethernet at rates historically up to 10 Gbps. Field-programmable generator/analyzer modules and interchangeable line interfaces support access and core performance, QoS, and conformance testing. This catalog configuration lists an AX 4000 system with 2x each of part numbers 401428, 403103, and 403100 (chassis/module mix as labeled on the listing). Reseller references identify 401428 as an AX/4000 mainframe/chassis-class part used in multi-slot Adtech configurations. Broadband device and network performance testing; ATM/IP/FR/Ethernet QoS and conformance; multi-port traffic generation and analysis; access and backbone val



MODEL

**Spirent Adtech
401428 / 403103 /
403100**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**401428 / 403103 /
403100**

LISTING

<https://aumictechlabs.com/products/401428-403103-403100-2/>

NIST-traceable cal

SAM registered

30-day returns

This unit

The Spirent Adtech AX 4000 Broadband Test System is a modular, multi-port platform engineered for comprehensive performance and Quality of Service (QoS) testing across network access, mobile backhaul, and core infrastructure. This configuration includes two Ethernet Control Modules (401428) and two 10 Gbps Generator/Analyzer modules (403103/403100), enabling simultaneous multi-technology testing at speeds up to 10 Gbps across ATM, IP, Frame Relay, Ethernet, MPLS, and routing protocols.

Technical Specifications

- Chassis Architecture:** 5-slot mainframe configuration with field-programmable test modules
- Speed Range:** 1.554 Mbps to 10 Gbps per interface
- Maximum Sessions:** Up to 32,000 subscriber sessions per port; 256,000 sessions per chassis
- Supported Technologies:** ATM, IP, Frame Relay, Ethernet, MPLS (LDP, CR-LDP), Routing (RIP V1/V2/RIPng, IPv6, OSPF, BGP/BGP-4, IS-IS), PPPoX (PPPoEoA, PPPoA, PPPoE)
- Module Configuration:** 2x Spirent 403100 10 Gbps Generator/Analyzer modules; 2x Spirent Adtech 401428 Ethernet Control modules

Key Features

- Over 35 interchangeable interface modules support diverse transmission technologies and connection types
- Generator/Analyzer modules include conformance test suites for protocol validation
- Modular design enables scalability and technology evolution
- Field-programmable architecture adapts to emerging test requirements

Typical Applications

- Access network device validation
- Mobile backhaul performance testing
- Routing and switching infrastructure assessment
- Multicast and MPLS protocol verification
- End-to-end subscriber-to-core network simulation
- QoS and reliability testing under demanding conditions

Compatibility & Integration

The system accommodates industry-standard optical and electrical interfaces. Compatible modules include single-mode and multimode fiber interfaces (OC-12c/OC-3c/STM-4c/STM-1 configurations) and additional generator/analyzer options across the 1.554 Mbps to 10 Gbps speed range.

Features & description

From manufacturer datasheet

Features

- Modular AX/4000 broadband test architecture (Adtech / Spirent)
- Transmission technologies: ATM, IP, Frame Relay, Ethernet
- Speeds historically supported to 10 Gbps depending on modules
- 35+ interchangeable interface types in the AX/4000 ecosystem
- Field-programmable generator/analyzer modules
- This listing: 2× 401428, 2× 403103, 2× 403100 (per catalog title)
- Software options for standards conformance and WAN emulation (license-dependent)

4000 Characteristics / Specifications

PARAMETER	VALUE
Model	AX 4000 Broadband Test System (bundle)
Manufacturer	Spirent Adtech
Instrument Type	Modular broadband traffic generation / analysis system
Alias	AX/4000; AX4000 System
Architecture	Multiport modular chassis with plug-in generator/analyzer and line interfaces
Technologies	ATM, IP, Frame Relay, Ethernet
Maximum Test Rate Class	up to 10 Gbps (module-dependent)
Interface Ecosystem	35+ interchangeable Adtech/Spirent AX/4000 interfaces (OC-3/OC-12/STM, Ethernet, Frame Relay, Utopia, etc.) Catalog Bundle Contents 401428: ×2 (AX/4000 mainframe / chassis-class part per reseller listings) 403103: ×2 (AX/4000 series module / interface – confirm faceplate function) 403100: ×2 (AX/4000 series module / interface – confirm faceplate function)
Transmission technologies	ATM, IP, Frame Relay, Ethernet
This listing	2× 401428, 2× 403103, 2× 403100 (per catalog title)

4000 Specifications

PARAMETER	VALUE
Key Features	- Modular AX/4000 broadband test architecture (Adtech / Spirent)
Technical Specifications	Model: AX 4000 Broadband Test System (bundle)
Catalog Bundle Contents	401428: ×2 (AX/4000 mainframe / chassis-class part per reseller listings)

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, QoS, and conformance testing. This catalog configuration lists an AX 4000 system with 2× each of part numbers 401428, 403103, and 403100 (chassis/module mix as labeled on the listing). Reseller references identify 401428 as an AX/4000 mainframe/chassis-class part used in multi-slot Adtech configurations.

Applications

Broadband device and network performance testing; ATM/IP/FR/Ethernet QoS and conformance; multi-port traffic generation and analysis; access and backbone validation before deployment.

Key Features

- Modular AX/4000 broadband test architecture (Adtech / Spirent)
- Transmission technologies: ATM, IP, Frame Relay, Ethernet
- Speeds historically supported to 10 Gbps depending on modules
- 35+ interchangeable interface types in the AX/4000 ecosystem
- Field-programmable generator/analyzer modules
- This listing: 2× 401428, 2× 403103, 2× 403100 (per catalog title)
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Model	AX 4000 Broadband Test System (bundle)
Manufacturer	Spirent Adtech
Instrument Type	Modular broadband traffic generation / analysis system
Alias	AX/4000; AX4000

System

Specifications

PARAMETER	VALUE
Architecture	Multiport modular chassis with plug-in generator/analyzer and line interfaces
Technologies	ATM, IP, Frame Relay, Ethernet
Maximum Test Rate Class	up to 10 Gbps (module-dependent)
Interface Ecosystem	35+ interchangeable Adtech/Spirent AX/4000 interfaces (OC-3/OC-12/STM, Ethernet, Frame Relay, Utopia, etc.)

Catalog Bundle Contents

401428: ×2 (AX/4000 mainframe / chassis-class part per reseller listings)

403103: ×2 (AX/4000 series module / interface – confirm faceplate function)

403100: ×2 (AX/4000 series module / interface – confirm faceplate function)

Related AX/4000 Context

Example chassis forms in the family include 16-slot XL mainframe configurations and smaller multi-slot frames. Generator modules (e.g. 1 Gbps generator/analyzer class) and technology-specific pods determine actual line rates and media.

Standard Operating Conditions

Operate per Adtech/Spirent AX/4000 chassis environmental limits for the installed frame. Verify each installed board's part number against the catalog mix before test setup.

Operational Notes

Part numbers 401428 / 403103 / 403100 identify specific hardware in this bundle; do not assume identical function across 40xxxx codes. Confirm connectors and optics on each module before connecting DUTs.

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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NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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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.