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Data Sheet

August 1, 2026

IXIA

Ixia 1600 16-slot Traffic Generator

Ixia 1600 16-Slot Traffic Generator / Performance Analyzer Chassis The Ixia 1600 (1600T) is a 16-slot modular traffic generator and performance analyzer chassis with an integrated PC test controller running IxOS and the IxExplorer client. It is the larger companion to the Ixia 400T chassis and forms the platform for Ixia load modules that generate and analyze network traffic for performance, functional, and conformance testing. Up to 256 chassis can be daisy-chained with synchronized timing (about 10 ns) for very large multi-port test beds. Extra power and cooling relative to smaller chassis support higher-power load modules. The Ixia 1600 (1600T) is a 16-slot modular traffic generator and performance analyzer chassis with an integrated PC test controller running IxOS and the IxExplorer client. It is the larger companion to the Ixia 400T chassis and forms the platform for Ixia load modules that generate and analyze network traffic for performance, functional, and conformance testing. Up to 256 chassis can be daisy-chained with synchronized timing (about 10 ns) for very large multi-port test beds. Extra power and cooling relative to smaller chassis support higher-power load modules. Router/switch performance validation, RFC-style throughput and latency testing, protocol conformance, multi-port traffic load generation, Packet over SONET (POS), Ethernet (10/100, Gigabit, 10 Gigab



MODEL

Ixia 1600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1600

LISTING

<https://aumictechlabs.com/products/1600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ixia 1600 is a 16-slot rack-mountable traffic generator and analyzer chassis engineered for validation of network infrastructure and applications across multilayer protocols. It delivers flexible, scalable traffic generation with support for realistic network condition emulation and synchronized multi-chassis testing via daisy-chaining of up to 256 units within 10 nanoseconds.

Technical Specifications

Chassis Architecture: 16 slots for load modules
Rack-mountable configuration Supports daisy-chaining of up to 256 chassis synchronized within 10 nanoseconds
Approximate weight: 47 lbs (21 kg)
Module & Port Capacity: Up to 32 Packet Over SONET (POS) ports (OC-3c/OC-12c/OC-48c) Up to 32 Gigabit Ethernet ports Up to 64 10/100 Mbps Ethernet ports
Mixed module configurations supported within single chassis
Traffic Generation: 256 traffic streams per port 32,000 traffic flows per port
Packet payloads: 12 bytes to 65,536 bytes (configurable)
Error packet generation: alignment errors, dribble bit, bad CRC, no CRC
MAC and IP address manipulation: increment, decrement, randomize
Simultaneous Layer 2 and Layer 3 testing capability
Protocol Support: IP, UDP, TCP, IPX, IGMP, ARP, DHCP, RIP, ISL, MPLS, VLAN 802.1pq, OSPF
ARP, Ping, and IGMP request generation and response per port
Analysis Capability: Performance Analyzer functionality for network validation
Key Features
IxExplorer™ management software (MS Windows-based) for configuration and status monitoring
Optional Tcl scripting suite with RFC 2544 and RFC 2285 implementations
IP Multicast, QoS, and advanced multi-port test suites included
IxWeb application for Layer 4-7 device verification
Routing protocol emulation: BGP-4, OSPF, IS-IS, RIP, MPLS
Interfaces
System Controller (Rear Panel): Mouse and keyboard ports Video output 10/100 Ethernet for remote management
Daisy-chain in/out ports for multi-chassis synchronization
Typical Applications Network infrastructure validation, application performance testing, QoS verification, multicast protocol testing, and routing protocol emulation across SONET and Ethernet environments.

Features & description

From manufacturer datasheet

Features

- 16 load-module slots
- Integrated PC controller with IxOS and IxExplorer
- Daisy-chain up to 256 chassis with sync in/out (about 10 ns synchronization)
- Supports POS, Gigabit Ethernet, 10/100 Ethernet, 10 Gigabit Ethernet, PoE, ATM, and other interfaces via load modules
- Example port density (module dependent): up to about 32 POS ports, 32 Gigabit Ethernet ports, or 64 10/100 Ethernet ports per chassis class listings
- Built-in Windows controller for configuration and statistics
- Automation via Tcl for lab integration

1600 Characteristics / Specifications

PARAMETER	VALUE
Model	1600T (catalog / short title: Ixia 1600)
Manufacturer	Ixia
Instrument Type	16-slot traffic generator / performance analyzer chassis
Slots	16
Controller	Integrated PC; Windows 2000 Pro class OS in published tables (later units may vary)
Dimensions	Approximately 17.5 inWx 15.7 inHx 20.4 in D (44.5 × 39.9 x about 51.8 cm class)
Weight	Approximately 47 lb (21 kg)
Power	About 20 A at 110 V / 10 A at 220 V, 50/60 Hz (published)
Operating Temperature	0 C to 40 C (32 F to 104 F)
Storage Temperature	0 C to 50 C
Humidity	0% to 85% non-condensing (operating and storage) I/O And Synchronization
Mouse/keyboard	PS/2
Monitor	HD-DB15 VGA (required for local console)
Parallel	DB25 female
Ethernet	RJ45 10/100 Mbps management
Serial	DB9 male
Sync In / Sync Out	RJ14
Trigger Out	BNC
Timing	Internal or synchronized to another Ixia chassis Standard Operating Conditions Operate within published temperature and humidity. Provide adequate AC capacity for fully loaded high-power modules. Use sync cables when daisy-chaining chassis.
Example port density (module dependent)	up to about 32 POS ports, 32 Gigabit Ethernet ports, or 64 10/100 Ethernet ports per chassis class listings

1600 Specifications

PARAMETER	VALUE
Key Features	- 16 load-module slots
Technical Specifications	Model: 1600T (catalog / short title: Ixia 1600)
I/O And Synchronization	Power: IEC 320 male

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	0 C to 50 C
Operating temperature	0 C to 40 C (32 F to 104 F)
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Humidity	0% to 85% non-condensing (operating and storage)
Power	IEC 320 male
Mouse/keyboard	PS/2
Monitor	HD-DB15 VGA (required for local console)
Parallel	DB25 female
Ethernet	RJ45 10/100 Mbps management
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Sync In / Sync Out	RJ14
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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 Analyzer Chassis

Overview

The Ixia 1600 (1600T) is a 16-slot modular traffic generator and performance analyzer chassis with an integrated PC test controller running IxOS and the IxExplorer client. It is the larger companion to the Ixia 400T chassis and forms the platform for Ixia load modules that generate and analyze network traffic for performance, functional, and conformance testing. Up to 256 chassis can be daisy-chained with synchronized timing (about 10 ns) for very large multi-port test beds. Extra power and cooling relative to smaller chassis support higher-power load modules.

Applications

Router/switch performance validation, RFC-style throughput and latency testing, protocol conformance, multi-port traffic load generation, Packet over SONET (POS), Ethernet (10/100, Gigabit, 10 Gigabit with appropriate modules), and large-scale synchronized lab automation via Tcl scripting.

Key Features

- 16 load-module slots
- Integrated PC controller with IxOS and IxExplorer
- Daisy-chain up to 256 chassis with sync in/out (about 10 ns synchronization)
- Supports POS, Gigabit Ethernet, 10/100 Ethernet, 10 Gigabit Ethernet, PoE, ATM, and other interfaces via load modules
- Example port density (module dependent): up to about 32 POS ports, 32 Gigabit Ethernet ports, or 64 10/100 Ethernet ports per chassis class listings
- Built-in Windows controller for configuration and statistics
- Automation via Tcl for lab integration

Technical Specifications

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Operating Temperature	0 C to 40 C (32 F to 104 F)
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Humidity	0% to 85% non-condensing (operating and storage)

I/O And Synchronization

Specifications

PARAMETER	VALUE
Power	IEC 320 male
Mouse/keyboard	PS/2
Monitor	HD-DB15 VGA (required for local console)
Parallel	DB25 female
Ethernet	RJ45 10/100 Mbps management
Serial	DB9 male
Sync In / Sync Out	RJ14
Trigger Out	BNC
Timing	Internal or synchronized to another Ixia chassis

Standard Operating Conditions

Operate within published temperature and humidity. Provide adequate AC capacity for fully loaded high-power modules. Use sync cables when daisy-chaining chassis.

Operational Notes

Load modules are sold separately. Confirm IxOS compatibility with installed modules. A VGA monitor is typically required for local operation of the integrated controller.

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.