IXIA 1600T/400T

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Ixia test systems deliver the industry's most comprehensive solutions for the performance, functional, and conformance testing of networks and applications. The IXIA 1600T and IXIA 400T chassis provide a platform on which an Ixia test system can be built. Each chassis supports an integrated test controller that manages all chassis and testing resources. A wide array of interface Load Modules for the chassis is are available, providing the network interfaces and distributed processing resources for customizing and analyzing network traffic flows. The highly scalable architecture supports daisychaining of up to 256 chassis with synchronized timing to enable very large test environments.

Specifications

	IXIA 1600T	IXIA 400T
Slots	16	4
Size	17.5"w x 15.7"h x 20.4"d (44.5 x 39.9 x 52 cm)	10.25"w x 5.75"h x 16"d (26.1 x 14.6 x 40.6 cm)
Weight	47 lbs. (21 kg)	10 lbs. (4.5 kg)
Power	20 AMP@110V 10 AMP@220V 60/50 Hz	4.0 AMP@110V 2.0 AMP@220V 60/50 Hz
Timing Source	Internal or synchronized with another Ixia chassis	Internal or synchronized with another Ixia chassis
Operating System	Windows 2000 Pro	Windows 2000 Pro

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Temperature	Operating: 32° F to 104° F (0° C to 40° C) Storage: 32° F to 122° F (0° C to 50° C)
Humidity	Operating: 0% to 85%, non-condensing Storage: 0% to 85%, non-condensing
Connectors	Power: Male IEC 320 receptacle Mouse/Keyboard: PS/2 6-pin DIN (IXIA 400T uses adapter cables) Monitor: HD-DB15 Parallel Port: Female DB25 parallel port Ethernet: RJ45 10/100 Mbps (IXIA 400T has dual interfaces) Serial: Male DB9 port Sync in: RJ14 Sync out: RJ14 Trigger out: BNC

Features
- Support for 10/100/100 Ethernet, 10 Gigabit Ethernet, Packet Over SONET (POS), and ATM interfaces
- Integrated PC controller running Windows 2000 for management and control of port configuration and statistics
- Daisy-chaining of up to 256 chassis providing synchronization accuracy to within 10 nanoseconds
- Powerful automation facilities using the Tcl scripting language with easy integration into automated lab environments
- Generate and analyze network traffic synchronously over thousands of ports simultaneously

Benefits
- Wide variety of network interfaces available enables flexible, multi-functional deployment
- Integrated PC eliminates need to buy a separate, specially configured workstation as a test controller
- Integrated software packaging and installation process for both chassis and Load Modules reduces management overhead and simplifies upgrades, eliminating need to manage multiple software and firmware elements
- Remote management allows easy access to chassis resources via a network

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- Port-level user assignment allows resources to be shared among multiple users, maximizing testing resources and providing a secure, uninterrupted test environment
- Scripted automated test packages provide for the simple execution of scaleable benchmarking metrics
- Simultaneous control of up to thousands of test ports for large scale, synchronized performance testing

Targeted Users

- Engineering and quality assurance (QA) teams developing and testing 10/100/1000 Mbps Ethernet, 10 Gigabit Ethernet, Packet over SONET, and ATM products
- Manufacturing groups executing production quality testing
- Customer support departments troubleshooting customer issues
- Internet Service Providers (ISPs), carriers, and large enterprises executing product qualification/acceptance testing or pre-deployment hot staging
- Certification and interoperability labs providing third party validation

High Performance

The Ixia test system is built on a proven, scalable architecture that integrates a RISC CPU running Linux and a TCP/IP stack on every test port. This distributed Linux processing environment enables stateful traffic testing of content-aware devices. In addition, line-rate stateless traffic generation and analysis is supported on each Ixia test port.

Ease-of-Use

As device and network verification environments become increasingly complex, powerful and easy-to-use management software becomes critical. With the IxExplorer client application, users can flexibly manage up to thousands of ports from a single console located at the testing site or remotely. With the IxScriptMate application, users can execute a wide range of pre-built test suites targeted at specific analysis applications. Custom tests can be written using a Tcl API. Resources can be maximized by allowing multiple users to share the platform simultaneously, each assuming individual ownership of ports within the same chassis.

Product Ordering Information

IXIA 1600T

16-slot chassis including integrated PC controller, IxOS operating system, and IxExplorer client application

IXIA 400T

4 slot chassis including integrated PC controller, IxOS operating system, IxExplorer client application, and IxScriptMate RFC 2544 and 2889 suites