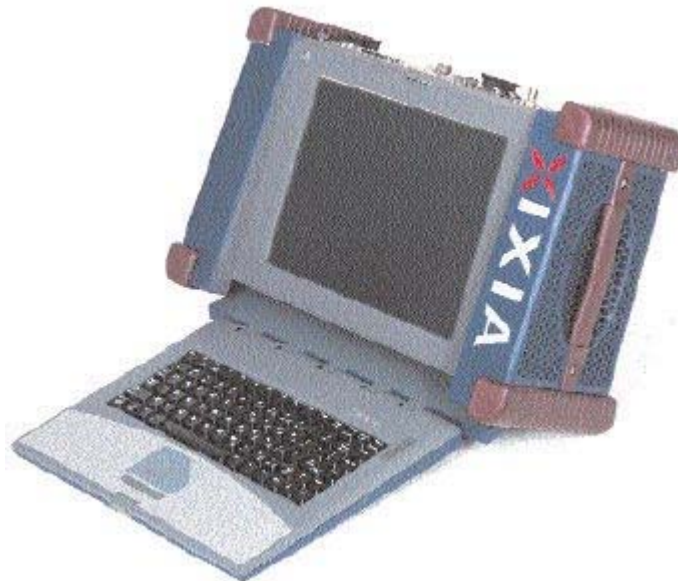


IXIA 250

The IXIA 250 is a field-portable chassis designed with everything needed to conduct sophisticated, in-field network and application testing. An integrated LCD touch screen display, keyboard, and mouse make the IXIA 250 a completely self-contained test system. Two open Load Module slots provide the ability to run most Ixia Load Module types - from 10 Mbps through 10 Gigabit Ethernet, Packet Over SONET, and ATM. Together with Ixia's family of test applications, the IXIA 250 can be equipped for testing networks for end-to-end performance, and network devices such as switches, routers, load balancers, web servers, VPN gateways, broadband access devices, etc.



Specifications

Load Module Slots¹	2; accepts single or double-wide Ixia Load Modules	
Management Card	Removable CPU card and 80 GB hard drive; 1.2 GHz Intel Celeron processor with 512 MB RAM: Windows 2000 Server Operating System	
Size	17.6"w x 11.3"d x 6.8"h (44.7 x 28.6 x 17.2 cm)	
Weight	18.5 lbs. (8.4 kg)	
Power	3.2 AMPS@110V 1.6 AMPS@220V 60/50 Hz	
Timing Sources	Internal, Optional indirect GPS (via CDMA) with 200 microsecond accuracy, or synchronized with another Ixia chassis	
Temperature²	Operating: 41° F to 104° F (5° C to 40° C) Storage: 41° F to 122° F (5° C to 50° C)	
Humidity	Operating: 0% to 85%, non-condensing Storage: 0% to 85%, non-condensing	
External Connectors	Power:	Male IEC 320 receptacle
	Mouse/Keyboard:	PS/2 6-pin DIN (uses adapter cable)
	Monitor:	HD-DB15 Super VGA
	Parallel Port:	Female DB25 parallel port
	Serial:	Male DB9 port
	Chassis Sync-In:	RJ14
	Chassis Sync-Out:	RJ14
	CDMA:	BNC (only on IXIA 250-CDMA)
	Ethernet (remote management):	RJ45 10/100 Mbps (dual port)
Integrated	12.1" TFT active matrix XGA LCD panel with touch screen.	

¹ Some high density / high performance load modules may require more power and cooling reducing the number of useable slots. The number of useable slots will be determined by the combination of load modules being used in the chassis.

² Some high density / high performance load modules may require a lower operating temperature. If this is the case, the operating temperature will be specified in the load module datasheet.

Display	1024 x 768 resolution
Integrated Test Port	Gigabit Ethernet port supporting line-rate Layer 2-3 testing and 8MB data capture buffer; 1392 MIPS PowerPC CPU for Layer 4-7 testing and Routing Protocol emulation; modular interface for copper media (RJ45 connector) or fiber media (SFP socket)

Features

- Integrated LCD touch screen display, keyboard, and mouse
- Integrated 10/100/1000 Ethernet test port with modular interface for copper or fiber media
- Support for 10/100 Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, Packet over SONET, and ATM Load Modules
- Integrated PC running Microsoft Windows XP Professional for test configuration and results presentation
- Optional CDMA-based global timing synchronization

Benefits

- Integrated field portability - no need to connect external peripherals
- Cost-effective design - integrated 10/100/1000 Ethernet port reducing need for additional Load Modules
- Flexibility to test a wide variety of network architectures
- Eliminates need to buy separate, specially configured PC for configuration, data capture, and real-time analysis
- Enables accurate one-way latency measurements

Targeted Users

The IXIA 250 chassis is an essential tool for field operations teams deploying or troubleshooting Ethernet, Packet over SONET, or ATM networks. Internet Service Providers (ISPs), carriers, and large enterprises can use the IXIA 250 to perform service turn-up testing, monitor live network operations, simulate network traffic conditions, or hot stage network modifications.

High Performance

The IXIA 250 supports the 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, hardware generated line-rate stateless traffic generation and analysis is supported on each 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 test ports from a single console 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.

Application Support

The IXIA 250 supports a wide array of Ixia test applications, including IxNetwork for verification of routers supporting complex protocols such as BGP-4, OSPF, IS-IS, MPLS, and IP multicast; IxLoad for stress testing of content-aware devices (e.g. load balancers, web servers, video servers) running protocols such as HTTP, FTP, SMTP, SIP, MPEG2 video, etc.; IxChariot for emulation of networked applications to determine end-to-end response times; IxVPN for performance testing secure IPsec VPN gateways; IxAccess for performance testing broadband access devices; and IxANVL for protocol conformance testing.

Product Ordering Information

IXIA250

Field-portable 2-slot chassis with integrated keyboard, mouse, and LCD touch screen display. Includes integrated 10/100/1000 Ethernet test port with dedicated Linux CPU, removable CPU card, and removable hard disk drive. At time of purchase, please specify either Copper or Fiber media for integrated test port

IXIA250-CDMA

Field-portable 2-slot chassis with integrated keyboard, mouse, LCD touch screen display, and CDMA timing option. Includes integrated 10/100/1000 Ethernet test port with dedicated Linux CPU, removable CPU card, and removable hard disk drive. At time of purchase, please specify either Copper or Fiber media for integrated test port

IX250COPPER

Pluggable copper media module for IXIA 250 integrated test port

IX250FIBERSFP

Pluggable fiber media module for IXIA 250 integrated test port. Accepts SFP transceiver - not included.

SFP-CU

SFP Transceiver - RJ-45 Copper

SFP-SX

SFP Transceiver - 850 nm 1000Base-SX

SFP-LX

SFP Transceiver - 1310nm 1000Base-LX

942-0002

AFD1, Auxiliary Function Device, GPS standalone unit for any Ixia chassis. Includes antenna, USB cable, serial cable, chassis sync cable and power supply. Configure by USB or serial cable, requires antenna to be installed with line-of-sight to the GPS satellites

942-0003

GPS Antenna, Installation Kit. Includes TNC Bullet antenna, 75 ft. cable. Operates with 942-0002 (AFD1)

942-0004

GPS Cable Option. Includes in-line COAX TNC Amplifier, 200 ft. cable. Operates with 942-0002 (AFD1)

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