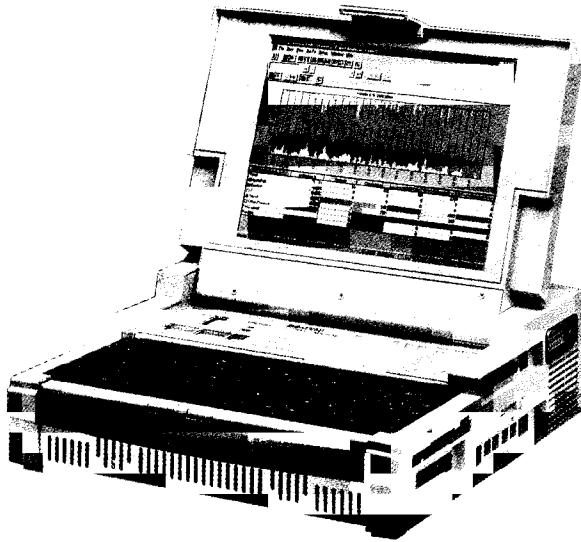# Protocol Analyzers

HP Internet Advisors–LAN/WAN/ATM

HP J23446C
HP J2901A
HP J2932A
HP J2300C
HP J3506A
HP J3307A
HP J3710A
HP J2899A

HP J2300C

HP Internet Advisor

The HP Internet Advisor is designed to be a strategic tool for today's network managers, network engineers, and field service personnel for the deployment, troubleshooting, and optimization of today's mission-critical networks. The HP Internet Advisor gives you the capabilities you need to identify and solve problems correctly the first time you connect, anywhere in the internetwork. With the capability to baseline network behavior, the HP Internet Advisor provides critical information for optimizing, reconfiguring, fine-tuning and expanding diverse and increasingly complex networks. The HP Internet Advisor's modular design enables the user to start with any combination of LAN, WAN, or ATM test capability, with the option to add further functionality as the network evolves.

Dedicated acquisition hardware ensures the user of 100% data capture and analysis. With its PC Pentium-based Windows architecture, the HP Internet Advisor offers a familiar environment which allows users to become more effective in troubleshooting and solving network problems.

Three mainframe configurations are available for different measurement requirements. The HP J2300C offers WAN and ATM analysis while the HP J3446C offers Ethernet and Fast Ethernet (10/100) analysis. The HP J3754C is a streamlined mainframe which, when coupled with one of the undercradles, provides a single technology test solution. Each of these mainframes can also be enhanced with any of the following undercradles or modules:

LAN	WAN	ATM
Ethernet	T1/E1	T1/E1
Fast Ethernet	ISDN	DS3/E3
Gigabit Ethernet	HSSI	OC3/STM1
Token Ring	DS3/E3 (frame	155 Mbps UTP
FDDI	and cell-based)	
	DDS 4-wire	

Solve Network Problems the First Time

- Expert analysis and network health reporting
- Vitals which anticipate and solve problems
- Commentators point you to the source of the problem
- LAN over WAN analysis
- LAN over ATM analysis
- Customizable statistical analysis
- Extensive on-line help

Built-in Fully Integrated Personal Computer

- Pentium-based, Windows platform
- 32M RAM
- Dual PCMCIA slots
- 3G hard drive
- Active SVGA display (optional)
- Up to 64M capture buffer

HP Internet Advisor LAN

The HP Internet Advisor LAN offers extensive measurement capabilities on Ethernet, Fast Ethernet, Gigabit Ethernet, Token Ring and FDDI networks. The analyzer has seven–layer protocol decodes, comprehensive statistical measurements, active stimulus / response tests and traffic generation. In addition the Expert Analyzer provides continuous feedback on key network issues such as router misconfigurations, connection resets and many other problems. The drill down capability of the Expert Analyzer enables the user to focus on the data to find the source of the problem. On-line help enables the user to quickly understand the problem and offers suggestions for solutions or optimizations.

HP Internet Advisor WAN

To install, maintain, or troubleshoot a wide area network, you need to test many things: physical errors, equipment interoperability, and network inter-connectivity. The HP Internet Advisor WAN offers integrated WAN and LAN over WAN protocol analysis capabilities, along with bit error rate testing, stimulus and response measurements, and statistical analysis capability to help you solve your networking problems.
- Frame Relay –56kbps –45Mbps
- Multilink PPP
- Encapsulated LAN over WAN
- ISDN BRI and PR
- ATM DXI
- X.25
- SNA/SDLC
- SMDS
- Async and bisync
- PPP (sync and async)

HP Internet Advisor ATM

No matter where you are in the process of bringing up your ATM network, the HP Internet Advisor ATM gives you the tools to identify and resolve network problems quickly the first time. To install or troubleshoot an ATM link, you need to test for many things: Physical congestion, equipment interoperability, ATM cell congestion, and even LAN traffic problems. The HP Internet Advisor ATM offers integrated ATM, WAN, and LAN protocol analysis capabilities you require to get a good look at the physical layer, the data link layer, and the upper layer protocols.

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Ordering Information | Price

LAN

	Price
HP J3446C Internet Advisor LAN - Fast Ethernet	$20,000
HP J3447A Internet Advisor LAN - Fiber Interface for J3446A	$4,000
HP J3754C Internet Advisor	$6,000
HP J2306B Internet Advisor LAN - Ethernet Undercradle	$10,500
HP J2307A Internet Advisor LAN - Token Ring Undercradle	$10,500
HP J2309B Internet Advisor LAN - Ethernet/TR Undercradle	$12,500
HP J2524A Internet Advisor LAN - FDDI Undercradle	$20,000
HP J2901A Internet Advisor LAN - Gigabit Ethernet Undercradle	$30,000
HP J3444A Internet Advisor LAN - Fast Ethernet Undercradle	$15,000
HP J3445A Internet Advisor LAN - Fiber Interface for J3444A	$4,000

WAN

	Price
HP J2300C Internet Advisor WAN	$13,500
HP J2905B Internet Advisor WAN - ISDN BRI S/T/U	$3,500
HP J3759A Internet Advisor WAN - DS3/E3 Cells and Frames Module	$12,500
HP J3762A HSSI Module	$10,000

ATM

	Price
HP J2912B Internet Advisor ATM OC-3c/STM-1 Module and Software	$15,000
HP J2913B Internet Advisor ATM - 155 UTP Module and Software	$12,500

HP Internet Reporter

	Price
HP J3307A Internet Reporter - LAN/WAN/ATM	$1,500

Software

	Price
HP J3506A IP Switching Software	$2,500
HP J3710A Oracle Commentator Software	$3,150

Services

	Price
HP J2899A UAF Internet Advisor Software Subscription	$950

Key Literature

HP Internet Advisor LAN, Technical Specifications, p/n 5966-0829E
HP Internet Advisor LAN, Product Overview, p/n 5966-0828E
HP Internet Advisor ATM, Technical Specifications, p/n 5967-5557E
HP Internet Advisor ATM, Product Overview, p/n 5967-5558E
HP Internet Advisor WAN, Technical Specifications, p/n 5967-5567E
HP Internet Advisor WAN, Product Overview, p/n 5967-5566E
HP Internet Advisor, Brochure, p/n 5965-8049E
HP Internet Reporter, Technical Specifications, p/n 5967-5555E
HP Internet Reporter, Application Note, p/n 5967-5556E

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HP Internet Reporter

The HP Internet Reporter automatically generates presentation-quality tables, charts and reports on statistics collected on almost any network. Useful for a wide variety of baselining and benchmarking tasks, the HP Internet Reporter will help you evaluate network operation, isolate traffic-related problems, evaluate the impact of hardware or software changes and plan for future growth.
- Build historical trends to anticipate problems and bottlenecks before they occur
- Benchmark applications and network devices
- Cost-justify network upgrades (gateways, controllers, bridges, routers, switches, lines, etc.)
- AutoReport feature makes report generation as easy as selecting a data file, choosing a report type, and pressing the GO! Button; AutoReport does the rest
- HP Internet Reporter's tables are stored in a Microsoft Excel format so that you can perform custom analysis of your network data when you desire
- Available with the LAN, WAN, and ATM platforms, statistics are broken out into individual tables, charts, and reports, giving you a view into your network you never thought possible

Oracle Commentator

HP Internet Advisor LAN Oracle Commentator software gives you the expert analysis capabilities you need to successfully manage Oracle distributed relational databases running in a client/server environment on Ethernet, Fast Ethernet, Token Ring and FDDI networks. With the Oracle Commentator, you can view summary information of significant network events and then drill down to get an easy-to-understand description of events, including an explanation of probable causes and suggestions for correcting the problem.