

Agilent Technologies

Agilent Advisor Reporter

Technical Specification

Agilent Advisor Reporter extends the capabilities of the Advisor into the world of network baselining and benchmarking. More than just a powerful troubleshooting tool, the Advisor is capable of gathering an unparalleled array of LAN, WAN, and ATM statistics. Advisor Reporter taps into this data and automatically presents it in meaningful tables, charts, and fully-formatted reports.

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TRAFFIC ANALYSIS AND NETWORK HEALTH REPORT

PROTOCOL VITALS
PROTOCOL STATS
NODE STATS

PREPARED FOR: MY CLIENT
 PREPARED BY: AGILENT ENGINEER
 COMMENT: INTRANET BACKBONE BASELINE

Event Date: Monday, January 17, 2000
 Start Time: 03:39:08 3:15:02 PM
 Stop Time: 03:39:08 3:17:01 PM

FRAME LENGTH DISTRIBUTION

Frame length distribution

Protocols	150-199	200-249	250-299	300-349	350-399	400-449	450-499	500-549	550-599	600-649	650-699	700-749	750-799	800-849	850-899	900-949	950-999	1000-1049	1050-1099	1100-1149	1150-1199	1200-1249	1250-1299	1300-1349	1350-1399	1400-1449	1450-1499	1500-1549	1550-1599	1600-1649	1650-1699	1700-1749	1750-1799	1800-1849	1850-1899	1900-1949	1950-1999	2000-2049	2050-2099	2100-2149	2150-2199	2200-2249	2250-2299	2300-2349	2350-2399	2400-2449	2450-2499	2500-2549	2550-2599	2600-2649	2650-2699	2700-2749	2750-2799	2800-2849	2850-2899	2900-2949	2950-2999	3000-3049	3050-3099	3100-3149	3150-3199	3200-3249	3250-3299	3300-3349	3350-3399	3400-3449	3450-3499	3500-3549	3550-3599	3600-3649	3650-3699	3700-3749	3750-3799	3800-3849	3850-3899	3900-3949	3950-3999	4000-4049	4050-4099	4100-4149	4150-4199	4200-4249	4250-4299	4300-4349	4350-4399	4400-4449	4450-4499	4500-4549	4550-4599	4600-4649	4650-4699	4700-4749	4750-4799	4800-4849	4850-4899	4900-4949	4950-4999	5000-5049	5050-5099	5100-5149	5150-5199	5200-5249	5250-5299	5300-5349	5350-5399	5400-5449	5450-5499	5500-5549	5550-5599	5600-5649	5650-5699	5700-5749	5750-5799	5800-5849	5850-5899	5900-5949	5950-5999	6000-6049	6050-6099	6100-6149	6150-6199	6200-6249	6250-6299	6300-6349	6350-6399	6400-6449	6450-6499	6500-6549	6550-6599	6600-6649	6650-6699	6700-6749	6750-6799	6800-6849	6850-6899	6900-6949	6950-6999	7000-7049	7050-7099	7100-7149	7150-7199	7200-7249	7250-7299	7300-7349	7350-7399	7400-7449	7450-7499	7500-7549	7550-7599	7600-7649	7650-7699	7700-7749	7750-7799	7800-7849	7850-7899	7900-7949	7950-7999	8000-8049	8050-8099	8100-8149	8150-8199	8200-8249	8250-8299	8300-8349	8350-8399	8400-8449	8450-8499	8500-8549	8550-8599	8600-8649	8650-8699	8700-8749	8750-8799	8800-8849	8850-8899	8900-8949	8950-8999	9000-9049	9050-9099	9100-9149	9150-9199	9200-9249	9250-9299	9300-9349	9350-9399	9400-9449	9450-9499	9500-9549	9550-9599	9600-9649	9650-9699	9700-9749	9750-9799	9800-9849	9850-9899	9900-9949	9950-9999	10000-10049	10050-10099	10100-10149	10150-10199	10200-10249	10250-10299	10300-10349	10350-10399	10400-10449	10450-10499	10500-10549	10550-10599	10600-10649	10650-10699	10700-10749	10750-10799	10800-10849	10850-10899	10900-10949	10950-10999	11000-11049	11050-11099	11100-11149	11150-11199	11200-11249	11250-11299	11300-11349	11350-11399	11400-11449	11450-11499	11500-11549	11550-11599	11600-11649	11650-11699	11700-11749	11750-11799	11800-11849	11850-11899	11900-11949	11950-11999	12000-12049	12050-12099	12100-12149	12150-12199	12200-12249	12250-12299	12300-12349	12350-12399	12400-12449	12450-12499	12500-12549	12550-12599	12600-12649	12650-12699	12700-12749	12750-12799	12800-12849	12850-12899	12900-12949	12950-12999	13000-13049	13050-13099	13100-13149	13150-13199	13200-13249	13250-13299	13300-13349	13350-13399	13400-13449	13450-13499	13500-13549	13550-13599	13600-13649	13650-13699	13700-13749	13750-13799	13800-13849	13850-13899	13900-13949	13950-13999	14000-14049	14050-14099	14100-14149	14150-14199	14200-14249	14250-14299	14300-14349	14350-14399	14400-14449	14450-14499	14500-14549	14550-14599	14600-14649	14650-14699	14700-14749	14750-14799	14800-14849	14850-14899	14900-14949	14950-14999	15000-15049	15050-15099	15100-15149	15150-15199	15200-15249	15250-15299	15300-15349	15350-15399	15400-15449	15450-15499	15500-15549	15550-15599	15600-15649	15650-15699	15700-15749	15750-15799	15800-15849	15850-15899	15900-15949	15950-15999	16000-16049	16050-16099	16100-16149	16150-16199	16200-16249	16250-16299	16300-16349	16350-16399	16400-16449	16450-16499	16500-16549	16550-16599	16600-16649	16650-16699	16700-16749	16750-16799	16800-16849	16850-16899	16900-16949	16950-16999	17000-17049	17050-17099	17100-17149	17150-17199	17200-17249	17250-17299	17300-17349	17350-17399	17400-17449	17450-17499	17500-17549	17550-17599	17600-17649	17650-17699	17700-17749	17750-17799	17800-17849	17850-17899	17900-17949	17950-17999	18000-18049	18050-18099	18100-18149	18150-18199	18200-18249	18250-18299	18300-18349	18350-18399	18400-18449	18450-18499	18500-18549	18550-18599	18600-18649	18650-18699	18700-18749	18750-18799	18800-18849	18850-18899	18900-18949	18950-18999	19000-19049	19050-19099	19100-19149	19150-19199	19200-19249	19250-19299	19300-19349	19350-19399	19400-19449	19450-19499	19500-19549	19550-19599	19600-19649	19650-19699	19700-19749	19750-19799	19800-19849	19850-19899	19900-19949	19950-19999	20000-20049	20050-20099	20100-20149	20150-20199	20200-20249	20250-20299	20300-20349	20350-20399	20400-20449	20450-20499	20500-20549	20550-20599	20600-20649	20650-20699	20700-20749	20750-20799	20800-20849	20850-20899	20900-20949	20950-20999	21000-21049	21050-21099	21100-21149	21150-21199	21200-21249	21250-21299	21300-21349	21350-21399	21400-21449	21450-21499	21500-21549	21550-21599	21600-21649	21650-21699	21700-21749	21750-21799	21800-21849	21850-21899	21900-21949	21950-21999	22000-22049	22050-22099	22100-22149	22150-22199	22200-22249	22250-22299	22300-22349	22350-22399	22400-22449	22450-22499	22500-22549	22550-22599	22600-22649	22650-22699	22700-22749	22750-22799	22800-22849	22850-22899	22900-22949	22950-22999	23000-23049	23050-23099	23100-23149	23150-23199	23200-23249	23250-23299	23300-23349	23350-23399	23400-23449	23450-23499	23500-23549	23550-23599	23600-23649	23650-23699	23700-23749	23750-23799	23800-23849	23850-23899	23900-23949	23950-23999	24000-24049	24050-24099	24100-24149	24150-24199	24200-24249	24250-24299	24300-24349	24350-24399	24400-24449	24450-24499	24500-24549	24550-24599	24600-24649	24650-24699	24700-24749	24750-24799	24800-24849	24850-24899	24900-24949	24950-24999	25000-25049	25050-25099	25100-25149	25150-25199	25200-25249	25250-25299	25300-25349	25350-25399	25400-25449	25450-25499	25500-25549	25550-25599	25600-25649	25650-25699	25700-25749	25750-25799	25800-25849	25850-25899	25900-25949	25950-25999	26000-26049	26050-26099	26100-26149	26150-26199	26200-26249	26250-26299	26300-26349	26350-26399	26400-26449	26450-26499	26500-26549	26550-26599	26600-26649	26650-26699	26700-26749	26750-26799	26800-26849	26850-26899	26900-26949	26950-26999	27000-27049	27050-27099	27100-27149	27150-27199	27200-27249	27250-27299	27300-27349	27350-27399	27400-27449	27450-27499	27500-27549	27550-27599	27600-27649	27650-27699	27700-27749	27750-27799	27800-27849	27850-27899	27900-27949	27950-27999	28000-28049	28050-28099	28100-28149	28150-28199	28200-28249	28250-28299	28300-28349	28350-28399	28400-28449	28450-28499	28500-28549	28550-28599	28600-28649	28650-28699	28700-28749	28750-28799	28800-28849	28850-28899	28900-28949	28950-28999	29000-29049	29050-29099	29100-29149	29150-29199	29200-29249	29250-29299	29300-29349	29350-29399	29400-29449	29450-29499	29500-29549	29550-29599	29600-29649	29650-29699	29700-29749	29750-29799	29800-29849	29850-29899	29900-29949	29950-29999	30000-30049	30050-30099	30100-30149	30150-30199	30200-30249	30250-30299	30300-30349	30350-30399	30400-30449	30450-30499	30500-30549	30550-30599	30600-30649	30650-30699	30700-30749	30750-30799	30800-30849	30850-30899	30900-30949	30950-30999	31000-31049	31050-31099	31100-31149	31150-31199	31200-31249	31250-31299	31300-31349	31350-31399	31400-31449	31450-31499	31500-31549	31550-31599	31600-31649	31650-31699	31700-31749	31750-31799	31800-31849	31850-31899	31900-31949	31950-31999	32000-32049	32050-32099	32100-32149	32150-32199	32200-32249	32250-32299	32300-32349	32350-32399	32400-32449	32450-32499	32500-32549	32550-32599	32600-32649	32650-32699	32700-32749	32750-32799	32800-32849	32850-32899	32900-32949	32950-32999	33000-33049	33050-33099	33100-33149	33150-33199	33200-33249	33250-33299	33300-33349	33350-33399	33400-33449	33450-33499	33500-33549	33550-33599	33600-33649	33650-33699	33700-33749	33750-33799	33800-33849	33850-33899	33900-33949	33950-33999	34000-34049	34050-34099	34100-34149	34150-34199	34200-34249	34250-34299	34300-34349	34350-34399	34400-34449	34450-34499	34500-34549	34550-34599	34600-34649	34650-34699	34700-34749	34750-34799	34800-34849	34850-34899	34900-34949	34950-34999	35000-35049	35050-35099	35100-35149	35150-35199	35200-35249	35250-35299	35300-35349	35350-35399	35400-35449	35450-35499	35500-35549	35550-35599	35600-35649	35650-35699	35700-35749	35750-35799	35800-35849	35850-35899	35900-35949	35950-35999	36000-36049	36050-36099	36100-36149	36150-36199	36200-36249	36250-36299	36300-36349	36350-36399	36400-36449	36450-36499	36500-36549	36550-36599	36600-36649	36650-36699	36700-36749	36750-36799	36800-36849	36850-36899	36900-36949	36950-36999	37000-37049	37050-37099	37100-37149	37150-37199	37200-37249	37250-37299	37300-37349	37350-37399	37400-37449	37450-37499	37500-37549	37550-37599	37600-37649	37650-37699	37700-37749	37750-37799	37800-37849	37850-37899	37900-37949	37950-37999	38000-38049	38050-38099	38100-38149	38150-38199	38200-38249	38250-38299	3
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What Makes Agilent Advisor Reporter the Best Baselining and Benchmarking Tool For You?

Ease of Use

Advisor Reporter comes with built-in AutoReport Profiles that make your first reports as easy to create as selecting a file, choosing which measurements to report on, and pressing the GO! Button. Before your eyes, Advisor Reporter creates data tables and charts in Microsoft® Excel, or builds a fully-formatted report in Microsoft® Word, complete with a cover page and table of contents, inline statistics and glossary definitions for each measurement, and a wide range of embedded charts.

Advisor Reporter is so easy to use it can create in minutes a report that used to take days to produce.

Customizability

Advisor Reporter does not sacrifice power for ease of use. Advisor Reporter can work in either Automated Reporting or Custom Reporting mode. With Custom Reporting, you are prompted through all table, chart, or report options step-by-step, allowing you to maintain control over all aspects of the reporting process.

If you want the power of Automated Reporting and the flexibility of Custom Reporting, try the AutoReport Editor. Its well-organized graphical interface allows you to build your own profiles for use with Automated Reporting. These profiles can include such information as header, footer and cover page text, charts to include in the report, and number or date formats for the tables.

		Ethernet Details (per second)																		Novell Details (per second)			
1		Throughput (Mbps)	Frame Throughput	Local Collisions	late Collisions	Remote Collisions	Remote Late Collisions	Frames with Bad FCS	Runt	Missign	Filtered Throughput (Mbps)	Filtered Frame Throughput	Runt with Good FCS	Jabbers	Jabbers with Bad FCS	Dribbles	Broadcasts	Multicasts	Capture Buffer Overwrites	Novell Throughput (Mbps)	IPX Packet Throughput	IPX Bytes per Packet	IPX Local Transmission Rate
2																							
3	Date	Time																					
5	13-Aug-98	15:13:20	324	77		0	0	0	324	77									312	77	509	77	
6		15:13:29	1861	354		126	126	126	1630	309									1577	200	987	200	
7		15:13:38	8103	1526		545	545	545	0	6729	1264								6512	812	1002	812	
8		15:14:00	855	163		56	56	56	1536	269									1486	166	987	188	
9		15:14:10	17	4		1	1	1	17	4									17	3	740	3	
10		15:14:20	29	10		1	1	1	29	10									27	8	402	8	
11		15:14:30	209	50		10	10	10	210	50									202	40	630	40	
12		15:14:40	132	34		5	5	5	132	34									127	28	558	28	
13		15:14:50	1245	230		66	66	66	1245	230									1206	165	916	165	
14		15:15:00	2334	434		113	113	113	2336	434									2263	321	882	321	
15		15:15:10	1308	249		61	56	58	0	1311	249								1269	191	831	191	
16		15:15:20	3712	670		194	195	195	0	3706	669								3593	475	947	475	
17		15:15:30	3485	631		164	184	184	3490	632									3383	448	945	448	
18		15:15:40	0	0					0	0									0	0	70	0	
19		15:15:50	0	0					0	0									0	0	86	0	
20		15:16:00																					

Data collected from your Agilent Advisor is presented in an easy-to-read format.

Accuracy

A reporting tool is only as good as the data it processes. Very few network analyzers capture 100% of the data on most networks, especially at speeds of 100Mbps and greater. Fortunately, the Agilent Advisor is one of those few. And that means Advisor Reporter produces a much more accurate representation of network traffic than most other network reporting tools. Anything less just doesn't make sense.

Broad Range of Statistics

The Advisor offers an extremely varied array of statistics for all networks, from the physical layer up to the application layer. And many statistics can be customized through the use of filter counters to suit specific needs.

Going one step further, Advisor Reporter produces efficiencies for many statistics, factoring such things as error counts against utilization or successful call setups against requests. You can even edit CIR rates on frame relay circuits to see if they are really delivering or utilizing the bandwidth that is being paid for.

Broad Range of Network Interfaces

Advisor Reporter produces consistent reports from a wide variety of network types, making it the only reporting tool you'll need. One product supports all of these technologies:

- Ethernet
- Token-ring
- FDDI
- Fast Ethernet
- Gigabit Ethernet
- HDLC/SDLC
- Frame relay
- X.25
- ISDN
- PPP
- ATM
- LAN over WAN and ATM
- WAN and ATM BERT

Understanding

With all of the statistics Advisor Reporter produces, understanding specifically what they mean isn't left to chance. A complete glossary is generated as part of your reports that explains statistic by statistic what your looking at and how it was calculated. Nothing can be more frustrating than looking at a chart and not really knowing what it represents. The Advisor Reporter makes it easy.

True Presentation – Quality Output

Every aspect of every table, chart, and report that Advisor Reporter creates is painstakingly reviewed for readability and accuracy. The result is true presentation-quality output. Tables, charts, and reports are ready to go to the printer (and your colleagues or clients) without requiring extra formatting, cutting, or pasting.

Microsoft® Office 2000 Integration

A cornerstone of Advisor Reporter's heritage is complete integration into the Microsoft Office environment. This integration affords a degree of flexibility not achievable with other standalone applications. By keeping your data in Excel and Word compatible formats, you can use the full power of these applications to further manipulate your reports. Change data values, create new efficiencies, edit names, add balloon text or notes, even modify a complete report to work on your company's letterhead.

A Wide Range of Applications

Advisor Reporter makes quick work of sifting through large quantities of network data. With this ease of reporting, you will find yourself using your Internet Advisor for a much wider range of tasks than you expected from a network analyzer. Here are just a few of Internet Reporter's many potential applications:

Baselining

- Quickly visualize and isolate difficult to spot network problems
- Document healthy networks for future reference when problems arise
- Identify and solve developing problems before they become real problems
- Balance your bandwidth for maximum efficiency
- Stay ahead of the capacity planning curve
- Cost-justify network component upgrades
- Manage virtual circuits and control costs on WAN and ATM lines

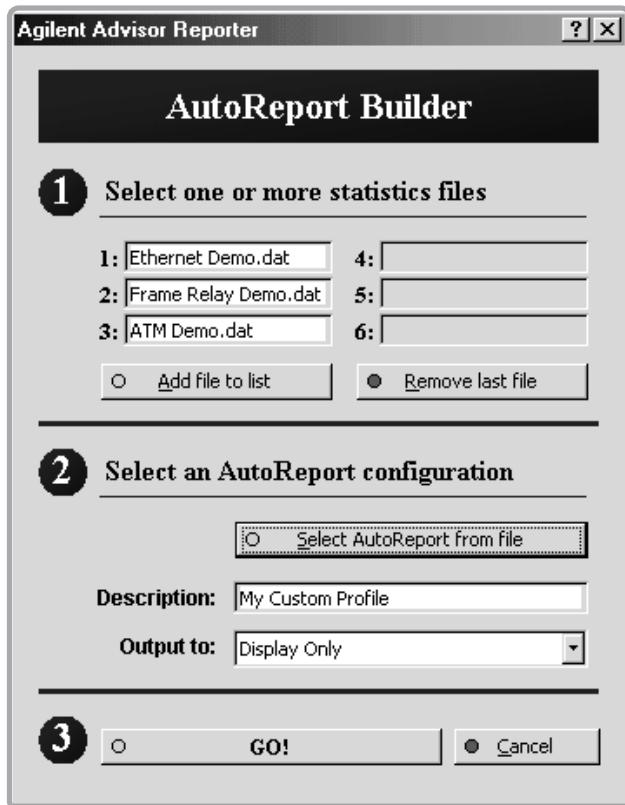
Benchmarking

- Choose the right components for a specific network environment.
- Fine-tune configuration parameters of network components for optimal performance.
- Identify upper limits of network component performance

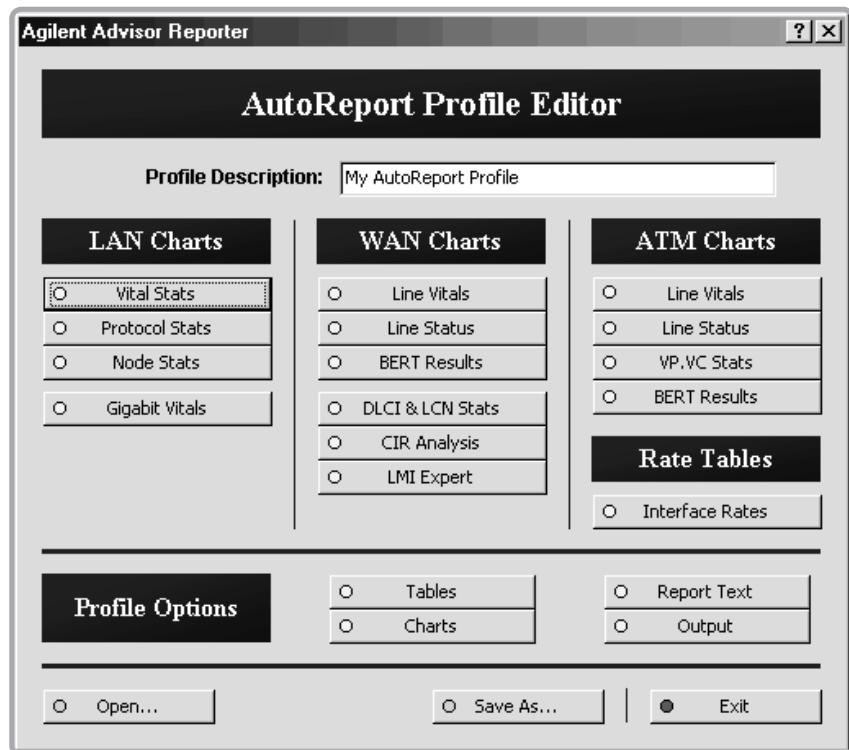
Saves time and money

Can you afford not to have Advisor Reporter working for you?

- Advisor Reporter can help you cost justify your decisions with documentation to back you up.
- Stop saying "If I only knew what the network looked like before this problem happened".
- Advisor Reporter helps you prioritize and plan changes to the network based on a real understanding of the network's dynamics.



Agilent Advisor Reporter's exclusive AutoReport Builder makes reporting as simple as 1, 2, 3.



AutoReport Editor allows you to create and distribute custom AutoReport Profiles with point-and-click ease.

Which Agilent Advisor Measurements are Compatible with Agilent Advisor Reporter?

LAN Measurements

Supported Interfaces

Ethernet, Fast Ethernet, Gigabit Ethernet (NDIS and Undercradle), Token-Ring, FDDI

Supported Measurements

Protocol Vitals

Available on all interfaces except Gigabit Ethernet (Undercradle). Combines vital statistics for Ethernet, Token-Ring or FDDI with TCP/IP, Novell, AppleTalk, Banyan VINES, OSI and DECnet into a single measurement. Individual Protocols can be turned on/off as desired.

Line Vitals

Available on all interfaces except Gigabit Ethernet (Undercradle). Same as Ethernet, Token-Ring or FDDI portion of Protocol Vitals

Gigabit Vitals

Available on Gigabit Ethernet (Undercradle) interface. Provides detailed analysis of network utilization and efficiencies, FCS Errors, Xon/Xoff counts, broadcast and multicast frames.

Protocol Stats

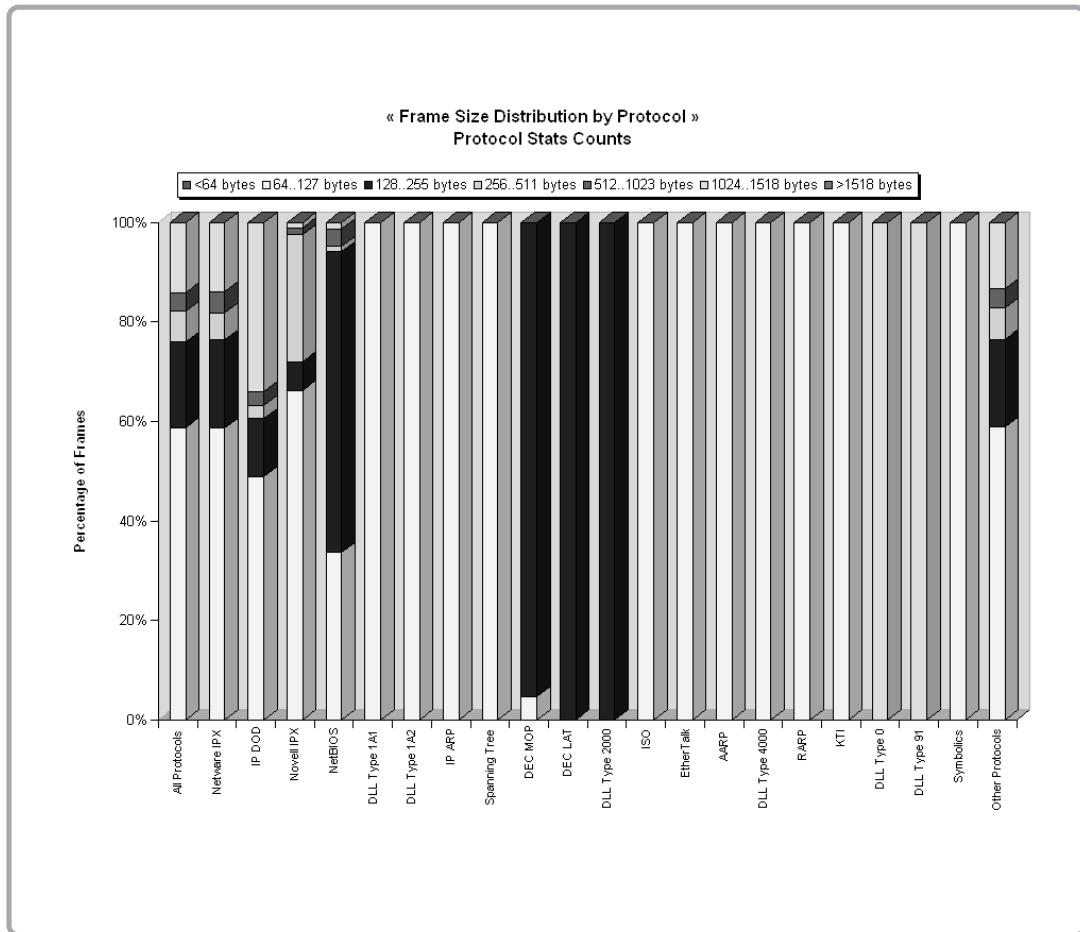
This series of measurements provides a detailed breakout of individual protocol types, with specific configurations for:

- All protocols by DLL types and SAPs
- All protocols by major protocol stack
- AppleTalk protocols
- Banyan (VINES) protocols and ports
- Cisco ISL and 802.1q VLAN Ids
- DECnet protocols
- IP protocols and ports
- Novell (IPX) types and sockets
- OSI protocols

All Protocol Stats configs count frames, bytes, average frame length, and DLL Errors, as well as a complete and very useful frame length distribution matrix.

MAC Node Stats

Available on all interfaces except Gigabit Ethernet (Undercradle). Provides detailed statistics by MAC Node Address. A configurable software filter allows this measurement to count only non-errored frames or frames to, from or to/from a specific station address. Separate transmit (Tx) and receive (Rx) counters for frames and bytes combine with transmit counters for errors, broadcasts and multicasts (functional address frames in Token-Ring). Token-Ring configs also count source routing frames (Tx and Rx) and source route broadcasts. FDDI configs count SMT (Tx and Rx), bad fcs, ebit, length error and violation frames as well as SMT bytes.



Agilent Advisor Reporter excels at taking complex network data, like this multiple protocol frame size distribution, and presenting it in ways that are easy to interpret.

LAN Measurements

(Legacy Support for SmallTalk
Interfaces)

Supported Interfaces

Ethernet, Fast Ethernet, Token-Ring, FDDI

Supported Measurements

Summary Stats

Provides a general overview of the network, trended over time. All interface configs include basic frame and byte counts, including frame counts for up to 4 protocols and 7 stations. Other interface-specific counters include:

- Ethernet and Fast Ethernet Errors
- Token-Ring Soft Errors, Hard Errors and Source Routing counters
- FDDI Soft Errors, Hard Errors and Ring State counters

Protocol Stats

Provides a detailed breakout of individual protocol types, with many protocol-specific configuration options available. When configured for a Protocol Stacks view, all protocols can be trended over time by major protocol stack for a broad overview.

Other Protocol Stats configurations provide the most detailed breakout of protocols, ports, types, sockets, or IDs, depending on the protocol stack, but support in Internet Reporter is limited to total counts for the duration of the run. Individual Protocol Stats configurations are provided for:

- All protocols by DLL types and SAPs
- All protocols by major protocol stack
- AppleTalk protocols
- Banyan (VINES) protocols and ports
- DECnet protocols
- Cisco ISL VLAN Ids
- IP protocols and ports
- Novell (IPX) types and sockets
- OSI protocols

All Protocol Stats configs count total frames, bytes, average frame length, and DLL errors, as well as a complete and very useful frame length distribution matrix. The Protocol Stats Stack configuration also trends the frame, byte, average frame length, and DLL errors counters.

Top Talkers

Provides detailed statistics by MAC Node Address (or friendly name if configured). Separate transmit (Tx) and receive (Rx) counters for frames and bytes gives a good snapshot of the traffic on the network.

WAN Measurements

Supported Technologies

Frame Relay, X.25, HDLC, SNA-SDLC, PPP, ISDN

Supported Interfaces

T1, CEPT E1, V-Series, BRI S-T, BRI-U, DS3, HSSI, DDS 4-Wire

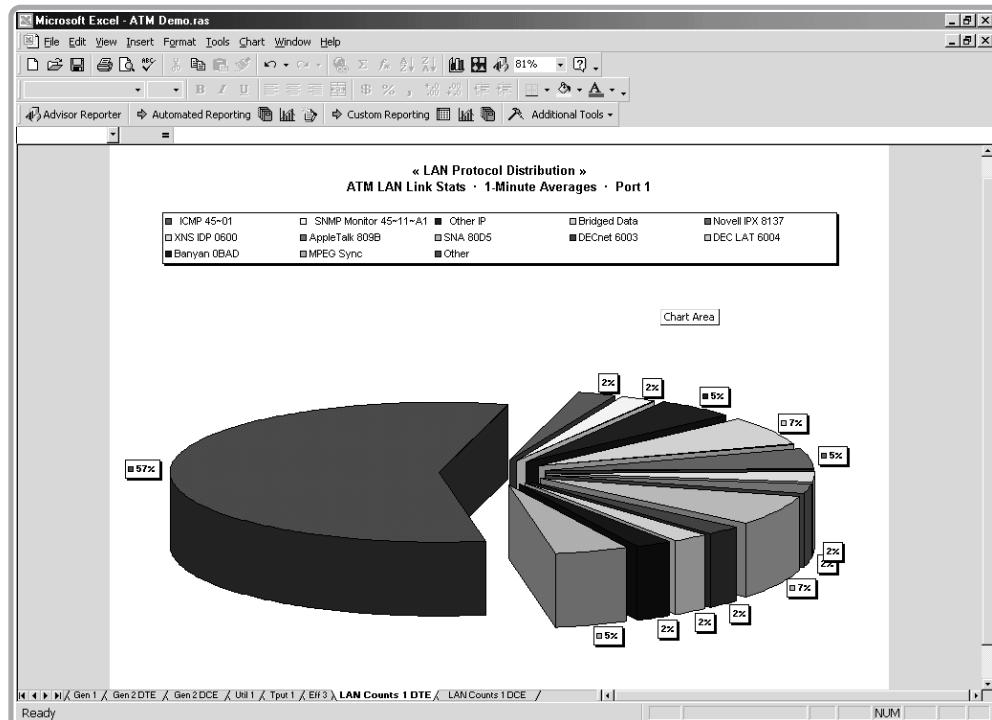
Supported Measurements

Line Vitals

This measurement combines a wide range of general statistics together. Its counters include utilization and throughput, frame efficiencies, line errors and interface-specific errors. Additionally, Line Vitals provides 16 highly configurable filters/counters which allow for the capture of network-specific types of traffic or conditions.

Line Status

This measurement provides detailed signaling statistics for T1, E1, BRI U, DS3, E3 and DDS interfaces. BRI U configurations also include a useful EOC Report, while DS3 configurations include FEAC statistics.



Agilent Reporter keeps all related tables and charts together in a single tabbed workbook for quick analysis.

Enhanced DLCI Statistics

This new Agilent Advisor measurement allows you to track up to 1024 Frame Relay DLCI's at the same time. Advisor Reporter can automatically select the most active or you can specify those you want in your report. Counters include basic utilization and throughput as well as DE, FECN, and BECN.

You can also enter CIR values for each DLCI, providing CIR Utilization trending by DLCI. CIR values can even be stored as part of an AutoReport Profile for reuse in other reports.

CIR Analysis

The Agilent Advisor allows service providers and carriers to monitor and analyze the committed information rate of every user channel in the link and simulate controlled traffic as specified in the service contract. Advisor Reporter documents the results of this analysis so that network managers can make appropriate modifications in service levels, and increase or decrease network bandwidth to meet exact customer requirements

LMI Expert Statistics

This measurement allows you to detect network problems through monitoring of the Frame Relay signaling protocol LMI (Local Management Interface). Timers (T391, T392) and Counters (N391, N392, N393) can be tracked along with general LMI related parameters which include Sequence number errors, Single PVC Async Messages, Down PVCs, and CLLM Count.

Channel Statistics

These measurements are available for Frame Relay (DLCI) (pre-Agilent Advisor 11.4) and X.25 (LCN) technologies. Up to 30 virtual circuits can be trended, including general utilization, throughput, and line error counters.

DLCI statistics also include DE, FECN, and BECN counters for each virtual circuit. Advisor Reporter allows you to enter a CIR value for each DLCI, providing CIR Utilization trending by DLCI.

X.25 configurations can also include a complete frame size distribution.

BERT Results

The BERT Results measurement provides fast and reliable documentation of physical layer tests on T1 and E1 interfaces.

ATM Measurements

Supported Interfaces

T1, E1, E3, DS3, STM-1/OC-3c

Supported Measurements

Line Vitals

This measurement combines a wide range of general statistics together. Its counters include busy, idle, and total cells, utilization and throughput, good/errored cell efficiencies, HEC errors and interface-specific errors. Additionally, Line Vitals provides 12 highly configurable filters/counters which allow for the capture of network-specific types of traffic or conditions.

Several pre-defined filters/counters are available on the Agilent Advisor via the Start menu structure to save you the time of creating them yourself. Of these, several are recognized by Advisor Reporter as “built-in” configurations, producing additional interpreted statistics.

Line Status

This measurement provides detailed signaling statistics for all supported interfaces. DS3 and OC-3c configurations also include FEAC statistics.

VP.VC Stats

This measurement from the Agilent Advisor 11.8 allows you to choose from any 30 of the 1024 tracked VP.VCs tracked in the log file. Advisor Reporter has logic to help select the select the Top 10, 20 or 30 VP.VCs automatically for you. Counters track utilization in cells, % of bandwidth, and kbps. Additional statistics are provided for HEC Errors and CLP Bit Set.

BERT Results

The BERT Results measurement provides fast and reliable documentation of both cell-based and frame-based tests on DS3, E3, and STM-1/OC-3c interfaces.

How Can Agilent Advisor Reporter be Tailored to Fit My Needs?

Advisor Reporter provides a wide variety of extremely flexible built-in chart formats. Many charts can be customized, allowing you to chart only the data fields you want. Most importantly, Advisor Reporter’s built-in chart formats are designed to be user-friendly, preventing potential costly misinterpretation of network data.

Customizable output

Table, chart, and report output can be customized with several options. Comment lines appear as headers or footers in Excel tables and charts, and on the cover page of Word reports.

- Customizable report titles
- Automatic page scaling
- Automatic or manual chart y-axis scaling
- Rename DTE (Port 1) and DCE (Port 2) labels
- Enter and change frame relay CIR rates for each DLCI
- Plot DCE (Port 1) and DTE (Port 2) statistics together or on separate charts
- Automatic plotting of the top 5 or 10 virtual circuits

Focus-period selection

Advisor Reporter lets you view smaller subsets of data contained in log files. You do not have to sift through data that falls outside of the timeframe you wish to analyze or report on.

International Language Support

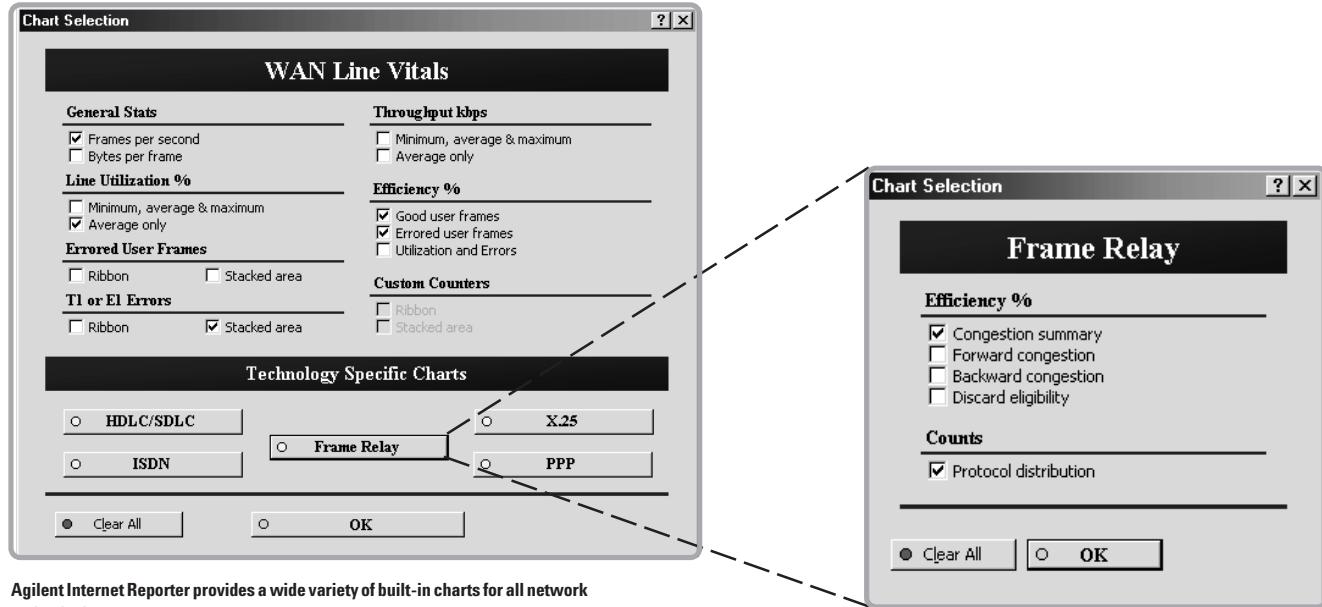
New technology in this release of Advisor Reporter allows you to choose unique languages for both the user interface and report text, making communication across global networks much simpler. Initially, just the English language packs will be available. Shortly thereafter, Spanish and Japanese will be released. Additional languages will follow after that.

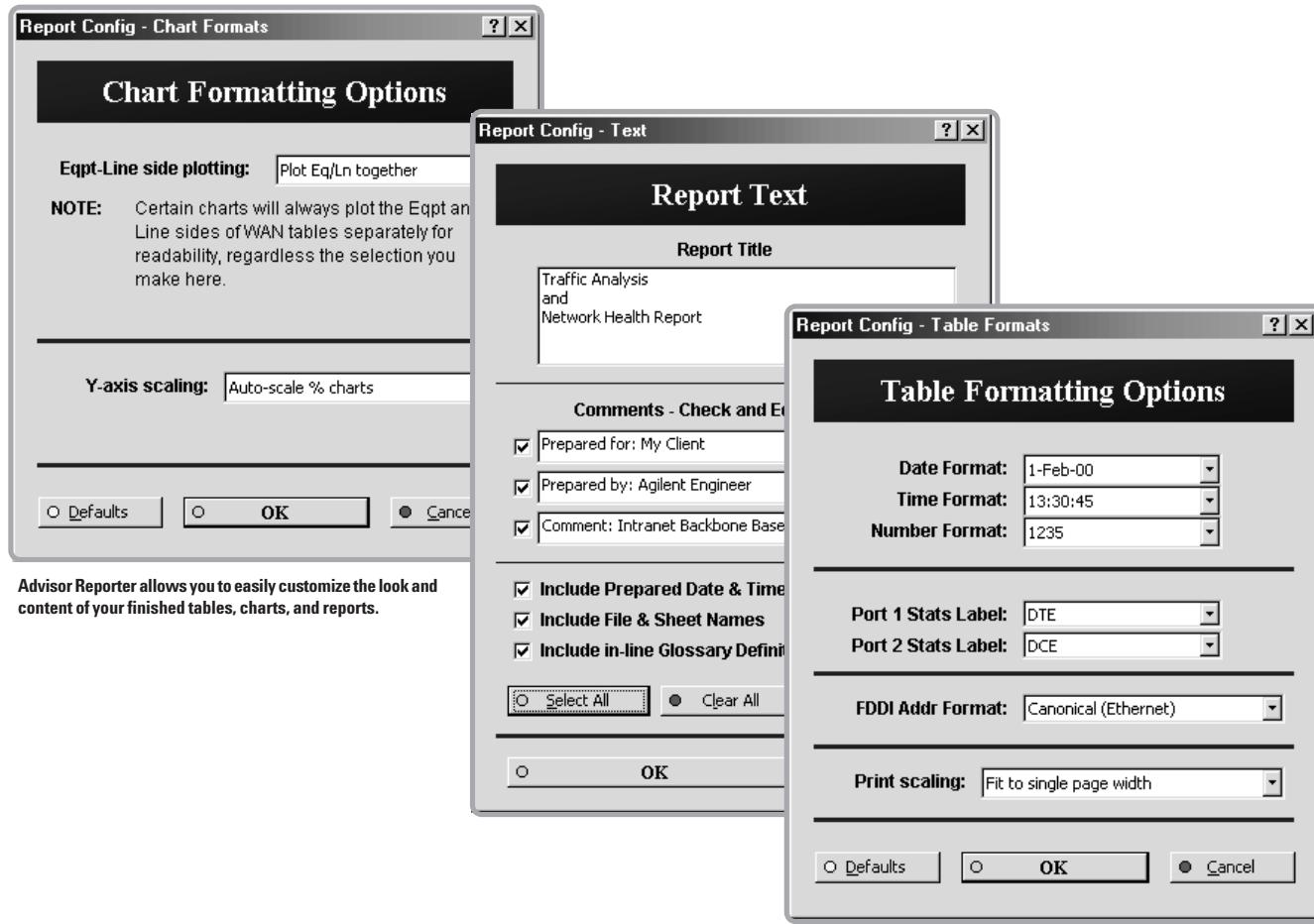
Users running Windows NT or 2000 can mix any combination of languages on their system. Users of Western-language Windows 95 and 98 can mix only Western-languages on the same system.

For any language that does not have a language pack available, Advisor Reporter will still work correctly. It will just display text in one of its supported languages.

Advisor Reporter also recognizes the international settings of your Windows environment, even recognizing the default paper size for your printer (i.e. A4). The following date, time, and number format options are also presented according to your country settings:

- 3 date formats per country
- 4 time formats per country
- 4 number formats per country





General Stats		Line Utilization %		Throughput kbps		Efficiency %		Errors Per 1-Minute		DS3 Errors Per 1-Minute	
		Port 1	Port 2	Port 1	Port 2	Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
1											
2											
3	Date	Time	Busy cells per second	Idle cells per second	Total cells per second	Busy cells per second	Idle cells per second	Total cells per second	Busy cells per second	Idle cells per second	Total cells per second
4	8-Aug-97	16:12:54	104258	104258	104262	104262	104262	104262	104262	104262	104262
5	8-Aug-97	16:13:54	104266	104265	104265	104266	104265	104265	104265	104265	104265
6	8-Aug-97	16:14:54	104266	104265	104265	104266	104265	104265	104265	104265	104265
7	8-Aug-97	16:15:54	104268	104268	104264	104268	104268	104268	104268	104268	104268
8	8-Aug-97	16:16:53	104266	104265	104266	104266	104266	104266	104266	104266	104266
9	8-Aug-97	16:17:54	104268	104268	104266	104268	104268	104268	104268	104268	104268
10	8-Aug-97	16:18:54	104267	104271	104271	104267	104271	104271	104267	104271	104271
11	8-Aug-97	16:19:53	104272	104272	104268	104272	104268	104268	104272	104268	104268
12	8-Aug-97	16:20:54	75087	821	75908	75085	821	75907	72	72	71837
13	8-Aug-97	16:21:53	54147	4663	58811	54149	46564	58812	52	52	22958
14	8-Aug-97	16:22:54	95998	8268	104266	95998	8268	104266	92	92	40703
15	8-Aug-97	16:23:54	95998	8268	104266	95998	8268	104266	92	92	40703
16	8-Aug-97	16:24:54	95998	8268	104266	95998	8268	104266	92	92	40703
17	8-Aug-97	16:25:54	95998	8268	104271	95998	8268	104271	92	92	40705
18	8-Aug-97	16:26:54	95998	8268	104266	95998	8268	104266	92	92	40701
19	8-Aug-97	16:27:54	95998	8268	104266	95998	8268	104266	92	92	40703
20	8-Aug-97	16:28:53	95998	8268	104267	95998	8268	104267	92	92	40703
21	8-Aug-97	16:29:54	95998	8268	104265	95997	8268	104265	92	92	40704
22	8-Aug-97	16:30:53	95998	8268	104265	95997	8268	104265	92	92	40703
23	8-Aug-97	16:31:54	96001	8268	104270	96001	8268	104270	92	92	40705
24	8-Aug-97	16:32:53	95992	8267	104259	95992	8267	104259	92	92	40700
25	8-Aug-97	16:33:54	95992	8267	104259	95992	8267	104259	92	92	40700

Advisor Reporter is integrated into Microsoft® Office, with all features conveniently accessible via a docked or floating toolbar.

System Requirements

Data Collection

- **WAN**
 - Agilent Advisor 10.0 minimum (11.4 + for Frame Relay Enhanced DLCI, CIR Analysis, LMI Expert)
- **ATM**
 - Agilent Advisor 9.5 minimum (11.8+ for ATM VP.VC)
- **LAN (Under Windows)**
 - Agilent Advisor 10.0 minimum (11.3 + for Token-Ring and FDDI)
- **LAN (Legacy support for SmallTalk interface)**
 - Agilent Advisor for LAN system software revision A.07.00 minimum (A.08.00 for FDDI Top Talkers)

Data Analysis

- Intel Pentium™-class CPU or greater recommended
- Microsoft Windows® 95, 98, 2000, or NT 4.0 SR3+
- Microsoft® Office 2000 for Windows®
 - Excel and Word components must be installed
 - Most Western and Far East versions are supported (i.e. French, Spanish, German, Italian, Japanese etc.)
- Windows®-supported output device (Color printer highly recommended)
- 3.5" 1.44MB compatible diskette drive
- 6MB free disk space required for Advisor Reporter
- Up to 100MB+ free disk space required for Microsoft Office 2000
- 100MB free disk space minimum recommended for work files
- Internet connection for downloading software updates

Warranty

For software - warranty 90 day replacement only

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Pentium™ is a U.S. trademark of Intel Corporation*

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage

Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

Agilent Ordering Information

J3307A Agilent Advisor Reporter LAN/WAN/ATM

By internet, phone or fax, get assistance with all your Test and Measurement needs.

Subscription Service

J5474A One year web-based software update service

Online assistance:
http://www.agilent.com/find/assist

Education

H7211A-401 Proactive Network Analysis

United States:
(Tel) 1 800 452 4844

Canada:
(Tel) 1 877 894 4414
(Fax) (905) 282 6495

China:
(Tel) 800-810-0189
(Fax) 1-0800-650-0121

Europe:
(Tel) (31 20) 547 2323
(Fax) (31 20) 547 2390

Japan:
(Tel) (81) 426 56 7832
(Fax) (81) 426 56 7840

Korea:
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(Fax) (82-2) 2004-5115

Latin America:
(Tel) (305) 269 7500
(Fax) (305) 269 7599

Taiwan:
(Tel) 080-004-7866
(Fax) (886-2) 2545-6723

Other Asia Pacific Countries:
(Tel) (65) 375-8100
(Fax) (65) 836-0252

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Use this link to go directly to our network troubleshooting solutions:

http://www.agilent.com/comms/onenetworks



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