HP Internet Advisor for LAN
Hardware platforms

HP Internet Advisor for LAN problem solving series -- No. 2

Internet Advisor for LAN test capability is available in four hardware platforms. Each has the same capture-and-analysis functionality and performance. One of these platforms will provide the right solution for your needs:

The Internet Advisor Series combine complete protocol analysis for WAN and LAN testing with a powerful, ruggedized personal computer — all in a lightweight, easy-to-carry package that offers the best combination of price and performance in the industry today. All major WAN interfaces are built into the mainframe; Ethernet and token-ring, or FDDI LAN Advisor interfaces are built into compact undercradles. Combined WAN and LAN testing weighs a total of 17.1 pounds and fits in a briefcase.

HP Internet Advisor for LAN combines Ethernet and token-ring interfaces in the same compact, lightweight mainframe as the Internet Advisor Series. The FDDI interface can be added to provide all common LAN interfaces in a single, portable package weighing

less than 18 lbs. The Ethernet test interface has dual RJ-45 connectors and hub control circuitry to allow connection between a port on an Ethernet switch and a node such as a server — and lets you avoid having to carry a small hub with the analyzer when monitoring switched Ethernet. An Ethernet network interface card is built into the mainframe to simplify remote operation.

HP Network Advisor combines full LAN and WAN testing capability with an outstanding full-color, high-resolution display.

Ethernet or token-ring PC-card based interfaces provide uncompromised PC-based performance as full-length, full-height PC-AT cards.

Internet Advisor for LAN will allow up to three media interfaces (Ethernet, token-ring, and FDDI) to be carried under one handle in a light weight, portable package.

Detailed Specifications:

Internet Advisor Series for WAN (HP J2301B or J2302B)

PC:
     Intel486 DX4 at 100 MHz with 16 MB of memory
     VGA color display, 26.4 cm (10.4 inch) diagonal (Optional 221 adds active matrix display)
     256 MB hard drive (Option 220 increases size to 512 MB)
     3.5 inch flexible disk drive
     PCMCIA slot (Type I/II)
     Built-in mouse
     Serial, parallel and external VGA monitor ports
     MS®-DOS

Mechanical:
     30 x 8.5 x 29 cm (12 x 3.4 x 11.5 inches)
     6 kg (14 lbs)
Power req: 100-240 VAC, 50-60 Hz, 75 Watts max.
Temperature: Operating: 5°C to 40°C; Non-operating: -25°C to 60°C.
Warranty: 3 years.

Internet Advisor Series Undercradles (HP J2306B Ethernet Interface;
HP J2309B Ethernet and Token-Ring Interface; HP J2524A FDDI Interface)

Analysis system: Ethernet and token-ring:
     AMD 29030 at 16 MHz with 16 MB of memory
     Capture buffer: >10 MB
Analysis system: FDDI:
     AMD 29030 at 20 MHz with 32 MB of memory
     Capture buffer: >26 MB

Test interfaces:
     Ethernet: AUI or 10BaseT (RJ-45) sy 10 Mbps. Second RJ-45 with hub control logic
                    allows use with switched Ethernet segments
     Token-ring: DB-9 at 4 or 16 Mbps
     FDDI: Dual fiber MICs for A/S/M and B
                    DB-9 for STP, RJ-45 for UTP
                    6 pin mini DIN compatible with AMP-Lytel part no. 501916-6 bypass switch
     Status LEDs: HP J2524A FDDI Interface has status LEDs for line states for both A and B MICs.

Internet Advisor for LAN (HP J2522B Ethernet Advisor; HP J2523B Ethernet/Token-Ring Advisor)

PC: Same as Internet Advisor for WAN except for the following:
     Built in 10BaseT (RG-45) network interface card.
     HP EtherTwist PC LAN Adapter NC/16 TP. HP J2425A 16 bit ISA adapter compatible with NE2100
     and AM2100 adapters and drivers.
Analysis system is identical to HP J2306B/J2309B
Test interfaces:
     Ethernet: AUI or 10BaseT (RG-45) at 10 Mbps.
                    Second RJ-45 with hub control circuitry allows use with switched Ethernet
                    Status indicators: Tx, Rx, Collision, Hub Link Active, Node Link Active
     Token-ring: (HP J2523B only)
                    DB-9 at 4 or 16 Mbps
                    Status indicators: Tx, Rx, Insert, Wire Fault

HP Network Advisor Mainframe (HP J2219A)

PC:
    Intel 486DX at 33 MHz with 16 MB of memory
    270 MB hard drive
    3.5 inch flexible disk drive
    VGA color display, 10.4 inch diagonal
    Serial, parallel and external VGA monitor ports
    MS®-DOS

Mechanical:
    15 x 36.3 x 42.7 cm (5.9 x 14.3 x 16.8 in)
    Weight: 11.4 kg (25 lbs)
    Power: 100-240 VAC, 50-60 Hz, 100 watts typical
    Operating Temp.: 5°C to 40°C (41°F to 104°F)
    Storage Temp.: -25°C to 60°C (-13°F to 140°F)
    Front panel LEDs: Ethernet: collision, transmit, and receive
            Token-ring: transmit, receive, insert and wire fault
             FDDI: line states and optical power level

HP J2170A Ethernet/Token-Ring Interface Module for Network Advisor
HP J2171A Ethernet Interface Module for Network Advisor
HP J2172A Token-Ring Interface Module for Network Advisor
HP J2173A FDDI Interface Module for Network Advisor

Interface Module Memory (Ethernet and/or token-ring)
   10 MB standard (provides 4 MB for data capture)
   16 MB Option 002 (provides 10 MB for data capture)
Interface Module memory (FDDI)
   16 MB standard (provides 10 MB for data capture)
   32 MB Option 003 (provides 26 MB for data capture)
Interface Module Processor (Ethernet and/or token-ring)
   AMD 29000 at 16 MHz
Interface Module Processor (FDDI)
   AMD 29030 at 20 MHz
Test Interfaces:
   Ethernet: AUI or 10Base2 (BNC) at 10 Mbps
   Token ring: DB-9 at 4 or 16 Mbps
   FDDI: Dual Fiber MICs for A/S/M and B
                DB-9 for STP
                RJ-45 for UTP
                6-Pin Mini DIN compatible with AMP-Lytel part # 501916-6
                Bypass Switch

PC Card Specifications
HP J2260A Ethernet, HP J2261A Token Ring, HP J2308A (Combines HP J2260A and HP J2261A)

Specifications:
   Full length and full height PC-AT card
   Dimensions: 121.9H x 336.6L mm (4.8H x 13.25L inches)
   Power requirements: 12 watts max. from +5 volt power supply
   Interface Module memory: 16 MB (provides 10 MB for data capture)
   Interface Module processor: AMD 29030 at 16 MHz
   Network connections: Ethernet: AUI or 10Base2 (BNC) at 10 Mbps
                        Token-Ring: DB-9 at 4 or 16 Mbps
Operating Temperature: 5°C to 40°C   (41°F to 104°F)
Storage Temperature: -25°C to 60°C (-13°F to 140°F)

PC Host Configuration
   16 MB RAM minimum (providing at least 15 MB of extended memory)
   386/20MHz processor minimum, 486/33MHz recommended
   MS DOS 5.0 or higher
   80 MB hard disk minimum, 105 MB recommended
   3 and 1/2 inch flexible disk drive
   VGA display (VGA compatible display circuitry with a 16 bit interface)
   One full-size 16-bit PC/AT slot, EISA or ISA
   12W available from +5 volt supply
   Fan to provide adequate air flow for cooling the 12W PC card
   One free I/O location in the 1024 locations in PC I/O space
   One available interrupt out of the following: IRQ3, IRQ5,
   IRQ9, IRQ10, IRQ11, IRQ12, or IRQ15

Printers compatible with Internet Advisor for LAN

Graphic printers:

> HP LaserJet printer series
> HP DeskJet printer series
> (including the HP DeskJet 500C printer and HP DeskJet 550C printer)
> HP PaintJet printer
> HP QuietJet printer
> Epson FX-80
> IBM Proprinter

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