HP Network Connectivity Products
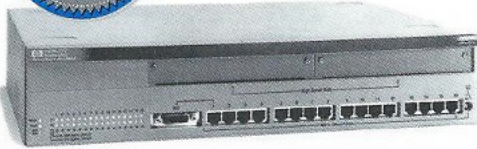
Quick Reference Guide

*The Advanced Solution in
10Base-T and 100VG
Networking Products —
Hubs • Switches
LAN Adapters
Routers • Bridges
Network Management*

INSIDE

- Product Information
- Warranties
- Product Literature
- Configuration Tips
- Technical Training

HP NETWORK CONNECTIVITY

HP Switches and Bridges

HP J3100A
AdvanceStack Switch 2000
6 available slots for interfaces; 1 Gbp/s backplane, universal port architecture, media flexibility; supports spanning tree, layer 3 protocol filtering, and broadcast throttling; ideal for interconnected workgroups

HP J3101A
AdvanceStack Switch 2000 Bundle
Base unit (J3100A), with two 4-port Ethernet modules (J3102A), and one 2-port 100VG module (J3103A); HP AdvanceStack 100 Mbit transceivers for the 100VG module are required, and are ordered separately

HP J3102A
AdvanceStack Switch 2000 Ethernet Module
Comes standard with 4 10Base-T RJ-25 ports, 1 transceiver slot can be used to support any existing AdvanceStack 10 Mbit transceiver

HP J3103A
AdvanceStack Switch 2000 100VG Module
2 100VG ports, 2 recessed transceiver slots that support any of the HP AdvanceStack 100 Mbit transceivers (J3027A and J3028A); HP AdvanceStack 100 Mbit transceivers are required, and are ordered separately for this module

HP J3136A
AdvanceStack Switch 2000 Redundant Power Supply
Ensures maximum up-time through dual load-sharing power supplies

HP J3125A
AdvanceStack Switch 200
16 10 Mbit/s ports, 2 100VG ports; fixed configuration; supports SNMP, MIB II, Spanning Tree; address filtering for broadcast storms; over 4000 Mac addresses; extremely easy to use

HP J2980A
AdvanceStack 10/100 LAN Switch-16
16 RJ-45 ports, 1 AUI port, 2 add-in high-speed interface slots; fast packet switching device, with network monitor port-ideal for integrating Ethernet and 10 Base-T workgroups with 100VG or other high speed workgroups

HP J2981A
AdvanceStack 100VG Module
2 100VG RJ-45 ports, port LEDs for troubleshooting; transceiver slot for each port, supports 100VG transceivers

HP J2984A
AdvanceStack 100Base-T Module
For the LAN Switch-16 (J2980); 1 port; UTP (Cat-5); full duplex; is not transceiver based

HP 28681A
AdvanceStack Bridge LB
Unmanaged, 1 AUI or BNC port, 1 AUI-only port; low-cost local bridge for uncomplicated networks of medium size

HP 28673A
AdvanceStack Bridge MB
Managed, STP, 1 AUI or BNC port, 1 AUI-only port; high-performance, local, spanning tree bridge for large fault-tolerant networks

HP 28674B
AdvanceStack Bridge RB
Managed, STP, 1 AUI or BNC port, 1 WAN port, includes WAN cable; high-performance, spanning tree bridge for multisite networks

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Support

Technical and Sales Support
- Resellers:
  Customer Support Center
  1-800-544-9976

  HP Network Professional and Service Authorized (CZ) technicians may receive priority by pressing 2, then entering 10-digit HP outlet ID.
- End-users Hourly Support
  1-800-790-5544

Support Service Contracts
- Resellers order telephone support or software update services directly from HP; to order support, call your HP field office, distributor, or 1-800-437-9140.

Configuration Tips

Twisted-pair connectors
- HP hubs have Telco connectors, or 4-pair cables (RJ-45 connectors) via modular adapter. Use one adapter for each 12-port connector. (2 adapters come with each 24-port AdvanceStack hub, and 4 with each 48-port AdvanceStack hub.)

Cables
- The following cable can be ordered directly from HP at 1-800-227-8164: Router-to-Router Test Cable (5061-2556) 62 DB-62 DB, RS-422/449. This cable is used for connecting two HP routers via their WAN ports for testing. The cable is 5 meters long and terminated with 62-pin DB connectors, and simulates an RS-449/422 link.

- One wide-area network interface cable per wide-area port is included with each HP Router or HP Remote Bridge purchase (prices as indicated if ordered separately):†

Option	Part
001	V.35 WAN Cable (28606-63008)
002	RS-232 WAN Cable (28606-63006)
003	X.21 WAN Cable (28606-63001)
004	RS-442 WAN Cable (28606-63005)

† *Note: Must order one option with each HP router or remote bridge.*
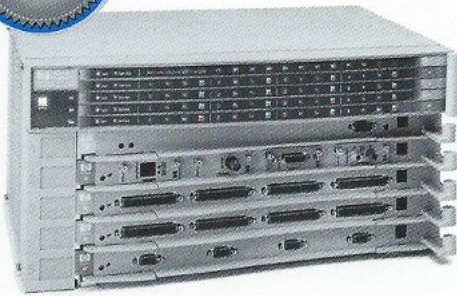
Product Warranties

HP offers market-leading warranties on the following products:

- LAN adapters, transceivers, AdvanceStack Hub-8U, and AdvanceStack accessories: lifetime

- AdvanceStack Hub-15, Hub-12, Hub-24, Hub-48, Hub-16U, and Dial-A-LAN modules: lifetime; *First five years on-site.*

- Bridges, Switches and Routers: three-year, on-site

- Router 210: five-year, on-site

- Network Management: 90 days

- Traffic Probe: one-year

For further warranty information or questions call HP FIRST at **1-800-227-8164.**

HP AdvanceStack Routers

3 YEAR ON-SITE WARRANTY

HP J2430A
AdvanceStack Router 650

4 available slots for interfaces, supports a variety of network and WAN protocols,* spanning tree protocol bridging; chassis-based router for the most demanding central site requirements

HP J2434A
4-port WAN Interface for Router 650

Synchronous connections for V.35, RS-232, X.21, RS-449/422 at speeds of 9.6 Kbit/s to 2.048 Mbit/s

HP J2435A
4-port Ethernet/IEEE 802.3 Interface for Router 650

Comes standard with 4 integrated ThinLAN transceiver modules, can accept 10Base-T, Fiber or AUI transceiver modules

HP J2436A
1-port FDDI Interface for Router 650
Provides dual-attach, 100 Mbit/s connection to FDDI LANS and backbones

HP J2437A
4-port Token Ring Interface for Router 650
Provides 4 and/or 16 Mbit/s support via 9-pin connector

HP J2438A
100VG Interface for Router 650
Provides 100VG support via a standard RJ-45 connector

HP J2443A
8MB Memory Upgrade for Router 650
Increases base system memory to 16MB

HP J2446A
Redundant Power Supply for Router 650
Ensures maximum up-time

HP J2628A
AdvanceStack Router 210

Router module for AdvanceStack 10Base-T Hub-12, Hub-24, or Hub-48; when installed in expansion slot, adds bridging/routing capabilities and a WAN connection

HP J2629A
AdvanceStack Router 210/Hub SNMP Management Bundle

Router 210 Module (J2628A) and AdvanceStack Ethernet SNMP Module (J2603B)

HP J3159A
AdvanceStack Router 210/100VG/ET SNMP Management Bundle

Router 210 Module (J2628A) and AdvanceStack 100VG SNMP/Bridge Module (J2614B)

HP J2540B
AdvanceStack Router 230

1 AUI or BNC, 1 WAN port, supports TCP/IP (RIP) and Novell IPX, spanning tree protocol bridging; single WAN port provides connection from remote office Ethernet to central site network

HP 27289B
AdvanceStack Router 240

1 AUI or BNC, 1 WAN port, supports a variety of network and WAN protocols,* spanning tree protocol bridging; single WAN port provides connection from remote office Ethernet to central site network

HP J2543A
AdvanceStack Router 245

1 TR, 1 WAN port, supports a variety of network and WAN protocols,* spanning tree protocol bridging; WAN port provides connection from remote office Token Ring to central site network

HP 27288A
AdvanceStack Router 430

1 AUI or BNC, 3 WAN ports, supports a variety of network and WAN protocols,* spanning tree protocol bridging; Multiple WAN links providing Ethernet central site to field site connections

HP 27285A
AdvanceStack Router 440

2 AUI, 2 WAN ports, supports a variety of network and WAN protocols,* spanning tree protocol bridging; router for Ethernet networks supporting primary and secondary WAN links
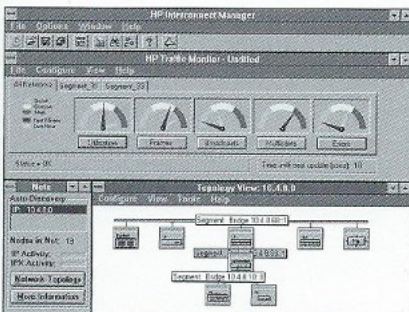
HP 27286A
AdvanceStack Router 445

1 AUI, 1 TR, 2 WAN ports, supports a variety of network and WAN protocols,* spanning tree protocol bridging; router for mixed Ethernet/Token Ring networks supporting primary and secondary WAN links

Note: WAN cables for all HP routers are included at no additional charge. One option must be ordered with each HP router (see cable configuration tips).

* *TCP/IP (RIP/OSPF), DECnet IV, Xerox XNS, Novell IPX and AppleTalk II, plus X.25, Frame Relay and SMDS.*

HP Network Management

HP J2564A
Router Manager for OpenView Windows
SNMP manager applications for HP routers; Requires HP OpenView 7.2 or later

HP 27361G
OpenView Interconnect Manager & Router Manager UX

SNMP manager application for HP routers, hubs and bridges, as well as multivendor SNMP devices; includes HP OpenView Network Node Manager 3.3

HP J2569H
Interconnect Manager for Windows or OpenView/Windows

SNMP application for network-wide traffic monitoring and device management of HP hubs, bridges, and switches, as well as multi-vendor SNMP devices; point and click operation; minimizes network downtime

HP J2561A
OpenView Traffic Monitor/Windows
HP J2562A
OpenView Traffic Monitor/UX
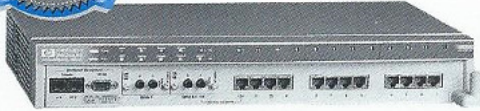Captures real-time trends and forewarns of network problems

HP J2347B
OpenView History Analyzer/UX
Capacity planning based on historical network utilization

HP J2348B
OpenView Traffic Expert/UX
Visualizes network traffic and recommends actions to optimize network performance

HP AdvanceStack High Speed Hubs & Accessories

100VG Hubs

HP J3137A
AdvanceStack 100VG Hub-7E

7 100 Mbits/s RJ-45 ports, 1 uplink port, 6 downlink ports, 1 RS232 diagnostic port; high speed entry level hub

HP J2413A
AdvanceStack 100VG Hub-7M

7 100 Mbits/s transceiver ports, 1 uplink port, 6 downlink ports; 1 slot for expansion capability, flexible, upgradeable, stackable hub (Available 7/1/96)

HP J2415A
AdvanceStack 100VG Hub-14

14 100 Mbits/s RJ-45 ports, 12 downlink ports, 2 transceiver slots for configurable uplink or downlink port, 1 RS232 console port; 1 slot for expansion capability; high speed stackable hub

HP J2410A
AdvanceStack 100VG Hub-15

15 100-Mbit/s RJ-45 ports, 1 up-link port, 1 transceiver slot, 1 RS-232 console port, and 1 slot for expansion capability; high-speed, stackable hub

Accessories

HP J2414B
AdvanceStack 100VG SNMP/Bridge Module

When installed in an expansion slot of 100VG Hub-15, Hub-14, and Hub-7M adds SNMP network management and bridging to 10 Mbit/s Ethernet networks; only one module required for SNMP management of up to 16 hubs
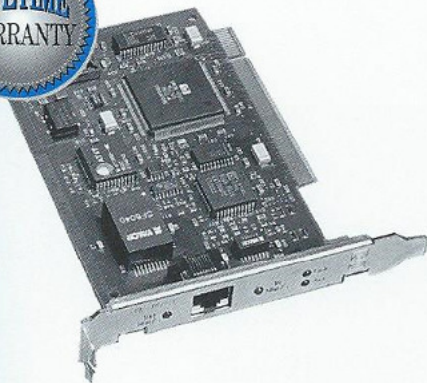
HP J3027A
100VG Fiber-Optic Transceiver Module

Adds a fiber optic port in AdvanceStack Hub-7M, and Hub-14 (Available 7/1/96)

HP J3028A
100VG UTP Transceiver Module

Adds a UTP port in AdvanceStack Hub-7M, and Hub-14

HP J3157A
AdvanceStack 100VG Dial-A-LAN 2/A Plus Bundle

Includes Dial-A-LAN 2A/Plus Module and HP J2414B 100VG SNMP/Bridge Module

HP J3158A
AdvanceStack 100VG Dial-A-LAN 4/A Plus Bundle

Includes Dial-A-LAN 4A Module and HP J2414B 100VG SNMP/Bridge Module

HP DeskDirect LAN Adapters

10/100 VG LAN Adapters

High-performance adapters for use with 10 Base-T or 100VG networks; PCI and EISA cards include busmastering capability

for PCI PCs
Single HP J2585B*
6-pack HP J3009B*
24-pack HP J3010B*

for ISA PCs
Single HP J2573A
6-pack HP J3005A
24-pack HP J3006A

for EISA PCs
Single HP J2577A
6-pack HP J3007A
24-pack HP J3008A

Note: Drivers are available to support all major Network Operating Systems. See HP FIRST for PC LAN Adapter Driver Matrix (Document ID #7353).

10 Mbit LAN Adapters

PC LAN Adapter NC/16 TP
Single HP J2405A
6-pack HP J2406A
24-pack HP J2407A

16-bit ISA client card, 1 TP port; pipelined bus-master DMA for market-leading performance

PC LAN Adapter/16 TP Plus
Single HP 27247B
6-Pack HP 27269B
24-pack HP J2427B

16-bit ISA, 1 TP port, 1 AUI port; high-performance adapter for ISA clients and servers

HP 27252A
PC LAN Adapter/16 TL Plus

16-bit ISA, 1 BNC port, 1 AUI port; high-performance adapter for ISA clients and servers

Network boot ROM available as follows:

For Adapter Card	Novell Netware
HP 27252A	HP 27260A
HP 27247B	HP 27260A

HP EtherTwist Hubs & Accessories

HP 28688B
EtherTwist Hub Plus

HP 28692A
ThinLAN Hub Plus

HP 28682A
Fiber-Optic Hub Plus

Accessories

HP 28685B
EtherTwist Transceiver

HP 28641B
ThinLAN Transceiver

HP 28683A
Fiber-Optic Transceiver

HP AdvanceStack Workgroup Hubs & Accessories

See HP J2628A and J2629A in the "HP AdvanceStack Routers" section for add-in routing functionality

HP J2600A
AdvanceStack
10Base-T Hub-12
12 RJ-45 ports 1 BNC, 1 transceiver slot, 1 RS-232 console port and distributed management ports; ideal for small workgroups

HP J2630A
AdvanceStack 10Base-T Hub-12 Bundle
(J2600A) with Ethernet SNMP Module (J2603B)

HP J2601B
AdvanceStack 10Base-T Hub-24
24 ports via 2 Telco connectors (2 Telco/RJ-45 adapters), 1 BNC, 1 transceiver slot, 1 expansion slot for upgradability; ideal for medium-sized workgroup LANs

HP J2631B
AdvanceStack 10Base-T Hub-24 Bundle
(J2601B) with Ethernet SNMP Module (J2603B)

HP J2602B
AdvanceStack 10Base-T Hub-48
48 ports via 4 Telco connectors (4 Telco/RJ-45 adapters), 1 BNC, 1 transceiver slot, 1 expansion slot for upgradability; ideal for medium and large workgroup LANs

HP J2632B
AdvanceStack 10Base-T Hub-48 Bundle
(J2602A) with 10Base-T SNMP Module (J2603B)

HP J2962A
AdvanceStack Redundant Power Supply
Support four AdvanceStack devices, including the Hub-24, and Hub-48

HP J2603B
AdvanceStack Ethernet SNMP Module
When installed in an expansion slot of a 12-, 24- or 48-port AdvanceStack 10Base-T hub, adds SNMP network management and security; only one module required for SNMP management of 16 hubs or 784 users

HP J2633A AdvanceStack Dial-A-LAN 2A/Plus Module and SNMP Module Bundle
Remote access server includes HP J2623A Dial-A-LAN 2A/Plus Module, 2 integrated v.34 28.8 Kb/s modems and HP J2603B 10-Base-T SNMP Module

HP J2634A AdvanceStack Dial-A-LAN 4A Module and SNMP Module Bundle
Remote access server includes HP J2624A Dial-A-LAN 4A Module, 4 high-speed asynchronous serial ports and HP J2603B 10Base-T SNMP Module

HP J2606A
Fiber-Optic Transceiver Module
Adds a fiber-optic port (ST connectors) in AdvanceStack hubs

HP J2607A
Twisted Pair Transceiver Module
Adds an RJ-45 port in AdvanceStack 10Base-T hubs

HP J2608A
ThinLAN Transceiver Module
Adds a BNC port in AdvanceStack 10Base-T hubs

HP J2609A
AUI Port Module
Adds an AUI port in AdvanceStack 10Base-T hubs

HP AdvanceStack Entry Level Hubs & Accessories

HP J3128A
AdvanceStack 10Base-T Hub-8E
8 RJ-45 ports, 1 BNC, 1 MDI port, extensive front panel display

HP J2610B
AdvanceStack 10Base-T Hub-8U
Upgradeable AdvanceStack hub; 8 RJ-45 ports, 1 transceiver slot, 1 expansion slot for SNMP Management Module 1 MDI/MDI-X switch

HP J3134A
AdvanceStack 10Base-T Hub-8U SNMP Bundle
(J2610B) with AdvanceStack 8U/16U SNMP Module (J3133A)

HP J2611B
AdvanceStack 10Base-T Hub-16U
Upgradeable AdvanceStack hub; 16 RJ-45 ports, 1 transceiver slot, 1 expansion slot for SNMP Management Module, 1 MDI/MDI-X switch

HP J3135A
AdvanceStack 10Base-T Hub-16U SNMP Bundle
(J2611B) with AdvanceStack 8U/16U SNMP Module (J3133A)

HP J3133A
AdvanceStack 8U/16U SNMP Module*
Adds advanced SNMP network management with remote management (via telnet and/or dial-in via external modem) and security for AdvanceStack Hub-8U (J2610B) or Hub-16U (J2611B)

HP J2606A
Fiber-Optic Transceiver Module
Adds a fiber-optic port (ST connectors) in AdvanceStack 10Base-T Hub-8U, and Hub-16U

HP J2607A
Twisted Pair Transceiver Module
Adds an RJ-45 port in AdvanceStack 10Base-T Hub-8U, and Hub-16U

HP J2608A
ThinLAN Transceiver Module
Adds a BNC port in AdvanceStack 10Base-T Hub-8U, and Hub-16U

HP J2609A
AUI Port Module
Adds an AUI port in AdvanceStack 10Base-T Hub-8U, and Hub-16U

*This module only functions with the "B" versions of the Hub-8U and Hub-16U.

Information by Fax

To access specific documents through HP FIRST call 1-800-333-1917

- **HP Network Connectivity Information**

Title	HP FIRST Document ID
- HP Network Connectivity Product Introduction & Benefits	#7351
- HP LAN and WAN Solutions Diagram (all inclusive)	#7352
- HP LAN Adapters	#7353
- HP Transceivers	#7354
- HP Bridges	#7356
- HP Routers	#7357
- HP Network Management	#7358
★ HP Network Connectivity Products Quick Reference Guide	#7375
- HP White Paper/Improving Ethernet Performance with Ethernet Switching	#7380
- HP LAN Switch	#7381
- HP Traffic Probe	#7382
- HP Hubs	#7395
- HP Application Note/Ethernet Security	#7400
★ HP Authorized Education Centers: Network Training Schedule	#7402
- 100 Mbit/s Networking Technology/Backgrounder	#7509
- HP White Paper/ Guide to Wide Area Networking	#7516
- HP White Paper/Network Management	#7517
- HP White Paper/Network Security	#7518
- HP White Paper/100VG-AnyLAN	#7579
- HP AdvanceStack 100VG Hub-15 and Selectable PC LAN Adapter Cards	#7593
★ HP Technical Training Brochure	#7900

Technical Training

- **Classroom training***
  See HP FIRST doc #7402 for availability.

  These courses are also available as self-paced training kits. Any of the following methods can be used for ordering:
  -Call 1-800-768-6060 or 503-297-2282
  -In Canada call 1-387-66733
  -FAX order information to 510-614-7812
  -E-mail order information to hprnd@kpcorp.com
  -Visit the RND Web Site:
    http://www.hp.com/go/network_city

- 100VG-AnyLAN Networks Using HP 100VG Products (1 day)	HP J2614C
- HP Device and Traffic Management/Windows (2 days)	HP J3124A
- Designing Interconnected Workgroups (2 days)	HP J3121A
- Interconnecting Remote Workgroups (3 days)	HP J3122A
- HP LAN Workgroups (1 day)	HP J3129A
- HP Device and Traffic Management/UNIX (4 days)	HP J3131A
- HP Network Printing Solutions (1 day)	HP J3132A
- HP LAN/WAN Routing (3 days)	HP J3132A

* *Training for resellers who currently have HP Advantage Accounts is reimbursable in most instances.*

Literature

- **To order literature**

- Dealers can order literature from HP using the Dealer Literature Order Form from the New In Stock Publication. Complete the form and fax your order to 1-408-864-8049.

- To order by phone, call 1-800-544-9976 and select option 4.

- **Product Documents**

- HP AdvanceStack 10Base-T Product Sales Brochure, "Stack to the Future"— part no. 5962-7223E

- HP AdvanceStack 100VG Hub Products Brochure, "100VG. Full Speed Ahead"— part no. 5963-1079E

- HP AdvanceStack Internetworking Products Brochure, "Extend Your Network"— part no. 5963-1081E

- HP Network Connectivity Products Catalog—part no. 5962-9489E

- HP Network Connectivity Products Poster— part no. 5964-0194E

- ☆ HP Connections Newsletter— part no. 5964-1620EUS

- ★ HP Instant Reference Guide (HP portable, PC, network connectivity, and server products)—part no. 5964-1618EUS

- **White Papers**

- HP White Paper/100VG-AnyLAN— part no. 5091-9910E

- HP White Paper/Guide to Wide Area Networking—part no. 5091-8875E

- HP White Paper/Network Management— part no. 5091-8881E

- HP White Paper/Network Security— part no. 5091-8873E

- HP White Paper/Improving Ethernet Performance with Ethernet Switching— part no. 5091-9724E

- **Success Stories**

- ☆ Network USA—part no. 5964-2190E

- ☆ Medtronics Promeon—part no. 5964-2440E

- ☆ Sun Health Corp.—part no. 5964-2443E

- ☆ Effingham Schools—part no. 5964-2444E

- ☆ Spalding Sporting Goods—part no. 5964-5952E

- ☆ Lehigh University—part no. 5964-5954E

- ☆ U.S. Bank—part no. 5964-5955E

- ☆ Somerset Pharmaceutical—part no. 5964-6626E

- ☆ Mindscape Software—part no. 5964-6627E

- ☆ The Body Shop—part no. 5964-6628E

- ☆ T & T Group—part no. 5964-6629E

- **Technical Documents**

- HP Network Management Reference Guide— part no. 272256-90003—*Note: This book must be ordered directly by calling 1-800-227-8164*

- 100VG-Redundant Power Application Note— part no. 5964-4030E

- 100VG-AnyLAN Application Note— part no. 5963-6682E

- ★ Extending your reach with Remote Access Application Note—part no. 5964-2209E

- HP OpenView Technical Evaluation Guide— part no. 5091-5134E

- Designing HP AdvanceStack Workgroup Networks—part no. 5964-1731E

- Planning and Designing High-Speed Networks Using 100VG-AnyLAN—*Note: This book must be ordered directly from Prentice Hall, the publisher (phone: 1-515-284-6761)*

- **Other Literature**

- HP Network Connectivity Products Visual Identity Guidelines—part no. 5963-2297E

- **Sales Training**

- ☆ How Networks Work—Note: *This book must be ordered directly from Ziff-Davis, 5903 Christie Ave., Emeryville, CA 94068*

- ☆ Technology Basics for HP Personal & Networked PCs—part no. 5091-6400EUS

- ☆ Network and Network Management Technology Basics—part no. 5963-6723EUS

- ☆ Network Systems Solutions— part no. 5964-4160EUS

- ☆ Network Systems Solutions - Server & Server Management— part no. 5964-4211EUS

- ☆ Network Systems Solutions - Interconnected Workgroup— part no. 5964-4212EUS

- ☆ Network Systems Solutions - UPS & Server Rack— part no. 5964-4210EUS

World Wide Web

To access information via the WWW, the URL is: **http://www.hp.com/go/network_city**

★ *Updated Items*

☆ *New Items*