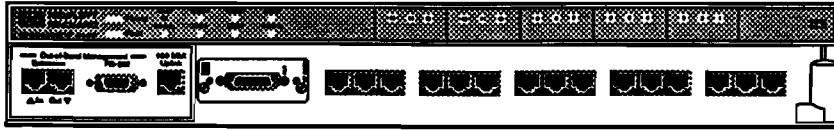


HP J2410A AdvanceStack 100VG Hub-15



HP AdvanceStack 100VG Hub-15 is the first 100VG-AnyLAN multi-port repeater to be compatible with the proposed IEEE 802.12 standard for 100 Mbit/s networking over unshielded twisted-pair cables, category 3, 4, or 5. A new addition to the HP AdvanceStack product line, the hub incorporates a rich set of features which are normally found only in a modular hub, while retaining the flexibility and economy of a stackable hub. The hub incorporates an expansion slot that ensures add-on feature capabilities including SNMP management, security, and integrated bridge/routing to other LANs.

HP AdvanceStack 100VG Hub-15 along with HP 100VG PC LAN Adapters make a powerful 100-Mbit/s network solution that enables new applications requiring a high-speed, low-latency, and deterministic network. New applications are enabled because of two technology breakthroughs; Demand Priority Access and Quartet Signaling. Demand Priority Access, the protocol used, provides network users on-demand access with guaranteed bandwidth and low latency. Quartet Signaling is a highly efficient signaling scheme that utilizes the four wire-pairs found in 10Base-T cabling installations.

HP AdvanceStack 100VG Hub-15 supports standard Ethernet packet types. This ensures compatibility with your existing applications. Furthermore, the Hub supports cascaded configurations similar to 10Base-T so your network topology does not have to change. An

accessory available for the HP AdvanceStack 100VG Hub-15 is a combination SNMP/Bridge module that makes it easy to connect the 100VG hub to a standard 10-Mbit/s network.

HP AdvanceStack 100VG Hub-15 offers 15 100-Mbit/s RJ-45 ports (for either clients, servers, peripherals or down-linked hubs), one up-link port, one transceiver bay (activated by the HP AdvanceStack SNMP/Bridge module, HP J2414A), one RS-232 console port, and an out-of-band, daisy-chainable RJ-45 port.

Highlights

• Functionality

The upgradeability of HP AdvanceStack hubs allows you to add advanced functionality, such as SNMP, security, or bridging, to the entire stack—as you need it. All HP AdvanceStack hubs come equipped with an expansion slot, therefore adding of functionality can be accomplished without having to purchase additional hubs. In addition, all HP AdvanceStack hubs are designed and built with legendary HP quality and are backed by a lifetime limited warranty (first five years on site).

• Flexibility

Up to 16 hubs (240 nodes) in a stack can be managed via one 100VG SNMP/Bridge module (HP J2414A). Hubs can be chained together up to a total of 185 meters apart and retain management capabilities via one SNMP module per stack. Industry-standard UTP cabling can be utilized for chaining additional hubs through the built-in distributed management ports.

• Manageability

Every HP AdvanceStack hub comes with HP Stack Manager, a Microsoft® Windows-based management software for out-of-band management, such as configuration, troubleshooting, and monitoring of the entire stack. You can communicate to any hub in the stack by connecting directly to the built-in RS-232 port or dial-in via a modem on any one hub in the stack. For true plug and play operations, the product comes with a serial cable to attach a PC to the RS-232 port. When your needs require SNMP management, you can upgrade seamlessly to the industry-leading HP OpenView line of management software solutions.

Standard Features

- Includes LEDs for Power, Fault, Expansion slot, Console, Security, Transceiver slot, Activity, Uplink, Cascade, Bridge, and per port status providing quick hub status checks and troubleshooting assistance.
- Provides “hot swap” capabilities. You can add or replace any hub in the stack without interrupting the normal operations of the network.
- Transceiver slot helps prevent accidental disconnection when an optional HP transceiver module (HP J2606A-Fiber, HP J2607A-TP, J2608A-Coax, or HP J2609A-AUT) is installed.
- Mounts in a standard 19-inch rack, on a wall (flat or on end), or on any horizontal surface such as a shelf or table. All mounting hardware is included.

Advanced Features*

- Includes Intel i960 RISC-based processor, 1 Mbyte RAM, and 256 Kbytes Flash EEPROM to provide ample processing power and memory capacity for future network management needs.
- Provides complete workgroup security features: intruder prevention, auto port disabling, network management alarm, eavesdrop prevention, authorized managers list, and password protection.
- Supports SNMP/IP and IPX network management on HP OpenView DOS/Windows network management and SNMP/IP network management on HP OpenView UNIX network management products. Also manageable via any management station with standard SNMP MIB Browser functionality.

**Features available when an optional HP AdvanceStack 100VG SNMP module HP J2414A and/or HP OpenView software is installed.*

Please see your authorized dealer for configuration requirements.

HP OpenView Interconnect Manager/Windows HP 27256F and HP OpenView Interconnect Manager UNIX include manager applications designed specifically for HP AdvanceStack hubs. HP OpenView UNIX software for HP AdvanceStack products will be available Fall of 1994.

HP J2410A available August 1, 1994.

Specifications

Memory

Flash EEPROM: 256 Kbytes

RAM: 1 Mbytes

Non-Volatile RAM: 8 Kbytes

Hardware Requirements to run HP Stack Manager Software

Windows 3.1 or later

80386 (or higher) processor

4 Mbytes of RAM

2 Mbytes of available hard disk space

Environmental Characteristics

Operating Temperature: 0°C to 40°C

(32°F to 104°F)

Relative Humidity: 15-95% @ 40°C (104°F) noncondensing

Physical Characteristics

Dimensions: 44.2 cm by 32.8 cm by 22.2 cm (17.4 in by 12.9 in by 2.6 in)

Weight: 4.1 kg (9 lb)

Electrical Characteristics

Voltage: 100-127 V ac, 200-240 V ac

Current: 0.7 A max.

Frequency: 50/60 Hz, 50/60 Hz

Standards

Communications

IEEE 802.12 proposed standard

10Base-T

IEEE 802.3

RFC 1368 IEEE repeater MIB and MIB II

Safety:

UL 1950

CSA 950

Verified to IEC 950/ EN 60950

Emissions:

FCC Part 15 Class A

CISPR-22 (1985) Class A

EN 55022 (1988) Class A

VCCI Class 1

Immunity:

ESD: IEC 801-2: 1991 4 kV CD, 8 kV AD

Radiated Immunity: IEC 801-3: (1984) 3 V/m

EFT/Burst: IEC 801-4: 1988

0.5 kV signal lines, 1.0 kV power line

Warranty

The J2410A AdvanceStack 100VG Hub-15 has a lifetime limited warranty, with the first 5 years on site.

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