

High-Speed Serial Interface Port Adapter for Cisco 7200, 7300, 7400, 7500 and 7600 Series Routers

Product Overview

Increasing demand for bandwidth-intensive services and wide-area network (WAN) connectivity requires that network administrators maximize the capacity and efficiency of network routers. Cisco Systems' High-Speed Serial Interface (HSSI) port adapters enables network administrators to leverage their investments in Cisco 7200, 7300, 7400, 7500 and 7600 Series Routers. This port adapter increases port density and enhances performance at the industry's lowest price per port.

High-Speed Serial Interface

Cisco's HSSI provides either single or dual high-density serial connections that increase packet speeds up to 52 Mbps. HSSI is available in a single port version (PA-H) and dual port versions (PA-2H). Each port supports a full-duplex 52 Mbps interface. Both versions require either a single slot in a Cisco 7200, 7301 or 7400 chassis or a single slot on a Versatile Interface Processor, PA Carrier Card or FlexWAN for Cisco 7500, 7304 and 7600 respectively. HSSI enables network administrators to significantly increase serial port density and deliver high quality of service for bandwidth-intensive applications such as video and multimedia services.

Benefits

- Increased port density
 - HSSI supports one or two full-duplex interfaces per port adapter
 - Provides high-density serial ports on Cisco 7000 series routers
 - Available in single port (PA-H) and dual port versions (PA-2H)
- High reliability
 - Online Insertion and Removal (OIR) capabilities ensure uninterrupted service availability
 - LED indicators to provide status information
- High scalability
 - High throughput performance-up to 52 Mbps full-duplex
- Leverages benefits from these VIP2 capabilities
 - VIP2 provides additional packet memory required for bandwidth-intensive data or large round-trip propagation delays associated with transcontinental or trans-oceanic links
 - VIP2 supports mixed media environments in a single chassis slot
- Flexibility for any environment
 - Provides scalable bandwidth to 52 Mbps to interface to services such as T3/E3 and Synchronous Optical Network (SONET) Synchronous Transport Signal level one (STS-1) rates using external CSU/DSU

- Field-serviceable by customer
- Robust Cisco Internetwork Operating System (Cisco IOS™) software provides compatibility with wide range of protocols, including Frame Relay
- Easy to manage-integrates with full functionality in all Cisco router management tools

- Receive Data (RD) LED
- Send Timing (ST) LED
- Connected (C) LED indicates normal operation

- Connectors and cables
 - 50-pin small computer serial interface (SCSI) II-type connector
 - Male-to-male cable connectors
 - Male-to-male null modem cable connectors
 - Cables are purchased separately or are customer-supplied
- Management
 - Full integration with Cisco router management tools
 - Management Information Base (MIB) support for CiscoWorks™ and CiscoView™ at first customer shipment

Specifications

- WAN
 - Access to services at T3/E3 and SONET STS-1 rates
- Network
 - One- and two-port HSSI connectivity
 - Supports 16- and 32-bit cyclic redundancy check (CRC)
 - Full-duplex synchronous serial interface
- LED indicators
 - Enabled LED to indicate HSSI port adapter is enabled for operation
 - Receive Timing (RT) LED

Software

For more information visit the HW/SW compatibility matrix

<http://www.cisco.com/cgi-bin/front.x/Support/HWSWmatrix/hswmatrix.cgi>



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