



Command Summary for Fast Ethernet and Gigabit Ethernet SPAs

Table 8-1 provides an alphabetical list of the most significant commands that are needed to configure, monitor, and maintain the Fast Ethernet and Gigabit Ethernet shared port adapters (SPAs). For more information about the commands, see [Chapter 18, “Command Reference”](#) in this book, and the Cisco IOS Release 12.2 command reference and master index publications.

Table 8-1 **Command Summary**

Command	Purpose
Router(config-if)# duplex {full half auto}	Configures the duplex operation on an interface.
Router(config-subif)# encapsulation dot1q <i>vlan-id</i> [native]	Enables IEEE 802.1Q encapsulation of traffic on a specified subinterface in VLANs.
Router(config)# interface fastethernet <i>slot/subslot/port</i> [.subinterface-number]	Specifies the Fast Ethernet interface to configure.
Router(config-if)# ip address <i>ip-address mask</i> [secondary]	Sets a primary or secondary IP address for an interface.
Router(config-if)# loopback	Enables an interface for internal loopback at the PHY device on the 4-Port 10/100 Fast Ethernet SPA.
Router(config-if)# loopback driver	Enables internal loopback at the PHY device or transceiver level on a Gigabit Ethernet interface.
Router(config-if)# loopback mac	Enables internal loopback at the MAC device on a Gigabit Ethernet interface.
Router(config-if)# mac-address <i>ieee-address</i>	Modifies the default Media Access Control (MAC) address of an interface to some user-defined address.
Router(config-if)# media-type {rj45 gbic}	Specifies the physical connection on a Gigabit Ethernet interface.
Router(config-if)# mtu <i>bytes</i>	Configures the maximum packet size for an interface.
Router(config-if)# negotiation auto	Enables advertisement of speed, duplex mode, and flow control on a Gigabit Ethernet interface using fiber media.
Router(config-if)# no shutdown	Enables an interface.

Table 8-1 Command Summary (continued)

Command	Purpose
Router# show controllers fastethernet <i>slot/subslot/port [detail]</i>	Displays interface information, transmission statistics and errors, and the MAC destination address and virtual LAN (VLAN) filtering table for interfaces on a 4-Port 10/100 Fast Ethernet SPA on the Cisco 7304 router.
Router# show interfaces fastethernet <i>slot/subslot/port</i>	Displays information about the Fast Ethernet interfaces.
Router# show pxf interface fastethernet <i>slot/subslot/port</i>	Displays PXF counters for the 4-Port 10/100 Fast Ethernet SPA.
Router# show vlans <i>[vlan-id]</i>	Displays VLAN subinterfaces.
Router(config-if)# speed { 10 100 1000 auto }	Configures the speed of an interface.