

Interface Types and Specifiers

Many commands take the variables *interfaceType* and *interfaceSpecifier*. Some commands support all types of interfaces, whereas other commands support only certain types of interfaces. Similarly, some commands support all interface specifier formats for a particular interface type, whereas other commands support only certain interface specifier formats.

Table 1 lists the interface specifiers for each type of interface on ERX7xx models, ERX14xx models, and the Juniper Networks ERX310 Broadband Services Router.



NOTE: On ERX7xx models, ERX14xx models, and the ERX310 router, you can use the **atm slot/port/vpi/vci** interface specifier format as an alternative to the **atm slot/port.subinterface** format with the specific **show interface** and **show subinterface** commands to monitor all ATM 1483 subinterfaces (except NBMA interfaces) as well as the upper-layer interfaces configured over an ATM 1483 subinterface. You cannot, however, use the **atm slot/port/vpi/vci** format to create or modify an ATM 1483 subinterface.

Table 2 lists the interface specifiers for each type of interface on the Juniper Networks E120 and E320 Broadband Services Routers.



NOTE: On the E120 router and the E320 router you can use the **atm slot/adapter/port/vpi/vci** interface specifier format as an alternative to the **atm slot/adapter/port.subinterface** format with the specific **show interface** and **show subinterface** commands to monitor all ATM 1483 subinterfaces (except NBMA interfaces) as well as the upper-layer interfaces configured over an ATM 1483 subinterface. You cannot, however, use the **atm slot/adapter/port/vpi/vci** format to create or modify an ATM 1483 subinterface.

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router

Interface Type	Description	Interface Specifier	Example
atm	ATM interface or ATM 1483 subinterface	Refer to the individual formats listed below.	

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router *(continued)*

Interface Type	Description	Interface Specifier	Example
■ ATM interface or subinterface		<p>To configure an ATM interface or subinterface:</p> <p><i>slot/port[.subinterface]</i></p> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	atm 3/2.6
■ ATM 1483 subinterface		<p>To display information about an ATM 1483 subinterface by using show commands:</p> <p><i>slot/port/vpil/vci</i></p> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>vpi</i>—Virtual path identifier of the PVC on this ATM 1483 subinterface; allowable numeric range depends on the module capabilities and current configuration ■ <i>vci</i>—Virtual circuit identifier of the PVC on this ATM 1483 subinterface; allowable numeric range depends on the module capabilities and current configuration 	atm 3/2/1/2

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
fastEthernet	IEEE 802.3 Fast Ethernet (FE) interface	<code>slot/port[.subinterface1[.subinterface2]]</code> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module or port 0 for the Fast Ethernet management port on the SRP I/O module <p>The meaning of the <i>subinterface</i> variables depends on the configuration context. You can configure Fast Ethernet interfaces with or without VLANs.</p> <ul style="list-style-type: none"> ■ VLANs: <ul style="list-style-type: none"> ■ <i>subinterface1</i>—Number of the VLAN subinterface in the range 1–2147483647; no more than 4096 VLAN subinterfaces per Fast Ethernet physical port ■ <i>subinterface2</i>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 8000 PPPoE subinterfaces per Fast Ethernet line module ■ No VLANs: <ul style="list-style-type: none"> ■ <i>subinterface1</i>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 8000 PPPoE subinterfaces per Fast Ethernet line module ■ <i>subinterface2</i>—Not used 	fastEthernet 3/2.6.20

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
gigabitEthernet	IEEE 802.3 Gigabit Ethernet (GE) interface	<p><i>slot</i>/<i>port</i>[.<i>subinterface1</i>[.<i>subinterface2</i>]]</p> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module <p>The meaning of the <i>subinterface</i> variables depends on the configuration context. You can configure Gigabit Ethernet interfaces with or without VLANs.</p> <ul style="list-style-type: none"> ■ VLANs: <ul style="list-style-type: none"> ■ <i>subinterface1</i>—Number of the VLAN subinterface in the range 1–2147483647; no more than 4096 VLAN subinterfaces per Gigabit Ethernet physical port ■ <i>subinterface2</i>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 8000 PPPoE subinterfaces per Gigabit Ethernet line module ■ No VLANs: <ul style="list-style-type: none"> ■ <i>subinterface1</i>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 8000 PPPoE subinterfaces per Gigabit Ethernet line module ■ <i>subinterface2</i>—Not used 	gigabitEthernet 3/0.6.20
lag	IEEE 802.3ad link aggregation group (LAG) interface	<p><i>bundle-name</i>[.<i>subinterface</i>]</p> <ul style="list-style-type: none"> ■ <i>bundle-name</i>—Name of the bundle ■ <i>subinterface</i>—Number of the LAG subinterface in the range 1–2147483647 	lag paris.2
loopback	Loopback interface	<p><i>integer</i></p> <ul style="list-style-type: none"> ■ <i>integer</i>—Integer in the range 1–4294967293 	loopback 20
mlframe-relay	Multilink frame relay interface	<p><i>bundle-name</i>[.<i>subinterface</i>]</p> <ul style="list-style-type: none"> ■ <i>bundle-name</i>—Name of the bundle ■ <i>subinterface</i>—Number of the MLFR subinterface in the range 1–4294967293 	mlframe-relay boston.1

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
mlppp	Multilink PPP interface	<i>bundle-name</i> ■ <i>bundle-name</i> —Name of the bundle	mlppp chicago
mplsL2shim	MPLS shim interface	<i>slot/port[.subinterface]</i> ■ <i>slot</i> —Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i> —Port number on the I/O module ■ <i>subinterface</i> —Number of the subinterface in the range 1–2147483647	mplsL2shim 3/2.1
mplsMajor	MPLS major interface	<i>slot/port[.subinterface]</i> ■ <i>slot</i> —Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i> —Port number on the I/O module ■ <i>subinterface</i> —Number of the subinterface in the range 1–2147483647	mplsMajor 3/2.1
mplsMinor	MPLS minor interface	<i>[vr:]tunnel-name</i> ■ <i>vr</i> —Name of a virtual router ■ <i>tunnel-name</i> —Name of the tunnel	mplsMinor lsp-02020202-1-4
null	Null interface, which acts as a data sink and cannot forward or receive traffic. You cannot configure values on the null interface.	0	null 0

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
pos	Packet over SONET (POS) interface	<code>slot/port[.subinterface]</code> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	pos 3/2
serial	CT3, E3 Frame, T3 Frame, or cOCx/STMx interface	Refer to the individual formats listed below.	
■ CT3		<code>slot/port:channel/subchannel[.subinterface]</code> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models) and 0–13 (ERX14xx models) ■ <i>port</i>—Port number on the I/O module ■ <i>channel</i>—Number of a T1 channel on a CT3 module; in the range 1–28 ■ <i>subchannel</i>—Number of the channel group associated with a range of DS0 timeslots on a CT3 module; in the range 1–28 ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	serial 3/2:20/15
■ E3/T3 Frame		<code>slot/port[.subinterface]</code> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models) and 0–13 (ERX14xx models) ■ <i>port</i>—Port number on the I/O module ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	serial 3/2

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
■ cOCx/STMx: unframed E1		<i>slot/port/path-channel/path-payload/ tributary-group/tributary-number/ channelNumber[.subinterface]</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>path-channel</i>—Number of the STS-1 or STM-0 line in the range 1–2147483648 ■ <i>path-payload</i>—Number of the payload within the path ■ <i>tributary-group</i>—Number of the tributary group within the path ■ <i>tributary-number</i>—Number of the tributary within the group ■ <i>channelNumber</i>—1 (the router assigns the number one to an unframed E1 channel) ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	serial 3/0:10/1/2/2/1
■ cOCx/STMx: fractional E1/T1		<i>slot/port/path-channel/path-payload/ tributary-group/tributary-number/ channel-group[.subinterface]</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>path-channel</i>—Number of the STS-1 or STM-0 line in the range 1–2147483648 ■ <i>path-payload</i>—Number of the payload within the path ■ <i>tributary-group</i>—Number of the tributary group within the path ■ <i>tributary-number</i>—Number of the tributary within the group ■ <i>channel-group</i>—Number of a fractional T1 or E1 line ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	serial 3/0:10/1/2/2/1

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
■ cOCx/STMx: unchannelized DS3		<i>slot/port:path-channel/ds3-channel-number</i> [.subinterface] <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>path-channel</i>—Number of the STS-1 or STM-0 line in the range 1–2147483648 ■ <i>ds3-channel-number</i>—Number of a T3 channel ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	serial 3/0:1/1
■ cOCx/STMx: DS3 channelized to DS0		<i>slot/port:path-channel/ds3-channel-number/ ds1-channel-number/subchannel-number</i> [.subinterface] <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>path-channel</i>—Number of the STS-1 or STM-0 line in the range 1–2147483648 ■ <i>ds3-channel-number</i>—Number of a T3 channel ■ <i>ds1-channel-number</i>—Number of a T1 channel ■ <i>subchannel-number</i>—Number of a fractional T1 channel ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	serial 3/0:1/1/10/15
sonet – line layer	Line layer of a SONET/SDH interface	<i>slot/port</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module 	sonet 3/0

Table 1: Interface Types and Specifiers for ERX7xx Models, ERX14xx Models, and ERX310 Router (continued)

Interface Type	Description	Interface Specifier	Example
sonet – path layer	Path layer of a SONET/SDH interface	<i>slot/port:path-channel</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module ■ <i>path-channel</i>—Number of the STS-1 or STM-0 line in the range 1–2147483648 	sonet 3/0:2
sonet – section layer	Section layer of a SONET/SDH interface	<i>slot/port</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–6 (ERX7xx models), 0–13 (ERX14xx models), and 0–2 (ERX310 router) ■ <i>port</i>—Port number on the I/O module 	sonet 3/0
tunnel	Tunnel interface	<i>tunnel-type:tunnel-name[.subinterface]</i> <ul style="list-style-type: none"> ■ <i>tunnel-type</i>—Type of the tunnel: dvmrp, gre, ipsec, l2tp, or mpls ■ <i>tunnel-name</i>—Name of the tunnel ■ <i>subinterface</i>—For GRE tunnels, number of the subinterface in the range 1–2147483647 	tunnel gre:boston

Table 2: Interface Types and Specifiers for E120 Router and E320 Router

Interface Type	Description	Interface Specifier	Example
atm	ATM interface or ATM 1483 subinterface	Refer to the individual formats listed below.	

Table 2: Interface Types and Specifiers for E120 Router and E320 Router *(continued)*

Interface Type	Description	Interface Specifier	Example
■ ATM interface or subinterface		<p>To configure an ATM interface or subinterface:</p> <p><i>slot/adapter/port[.subinterface]</i></p> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adapter</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	atm 3/1/7.6
■ ATM 1483 subinterface		<p>To display information about an ATM 1483 subinterface by using show commands:</p> <p><i>slot/adapter/port/vpi/vci</i></p> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adapter</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA ■ <i>vpi</i>—Virtual path identifier of the PVC on this ATM 1483 subinterface; numeric range for the E120 and E320 routers is 0–255 ■ <i>vci</i>—Virtual circuit identifier of the PVC on this ATM 1483 subinterface; numeric range for the E120 and E320 routers is 1–65535 	atm 3/1/7/1/2

Table 2: Interface Types and Specifiers for E120 Router and E320 Router *(continued)*

Interface Type	Description	Interface Specifier	Example
fastEthernet (for Fast Ethernet management port on SRP IOA)	IEEE 802.3 Fast Ethernet (FE) interface	<i>slot/adapter/port</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot, either 6 or 7 ■ <i>adapter</i>—Identifier for the SRP I/O adapter (IOA) within the chassis slot; always 0 ■ <i>port</i>—Port number on the SRP IOA; always 0 	fastEthernet 6/0/0
gigabitEthernet	IEEE 802.3 Gigabit Ethernet (GE) interface	<i>slot/adapter/port[.subinterface1[.subinterface2]]</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adapter</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA The meaning of the <i>subinterface</i> variables depends on the configuration context. You can configure Gigabit Ethernet interfaces with or without VLANs. ■ VLANs: <ul style="list-style-type: none"> ■ <i>subinterface1</i>—Number of the VLAN subinterface in the range 1–2147483647; no more than 4096 VLAN subinterfaces per Gigabit Ethernet physical port ■ <i>subinterface2</i>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 16,000 PPPoE subinterfaces per Gigabit Ethernet line module ■ No VLANs: <ul style="list-style-type: none"> ■ <i>subinterface1</i>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 16,000 PPPoE subinterfaces per Gigabit Ethernet line module ■ <i>subinterface2</i>—Not used 	gigabitEthernet 4/0/1.20

Table 2: Interface Types and Specifiers for E120 Router and E320 Router (continued)

Interface Type	Description	Interface Specifier	Example
lag	IEEE 802.3ad link aggregation group (LAG) interface	<i>bundle-name[.subinterface]</i> <ul style="list-style-type: none"> ■ <i>bundle-name</i>—Name of the bundle ■ <i>subinterface</i>—Number of the LAG subinterface in the range 1–2147483647 	lag paris.2
mplsL2shim	MPLS shim interface	<i>slot/adaptor/port[.subinterface]</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adaptor</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	mplsL2shim 3/0/2.1
mplsMajor	MPLS major interface	<i>slot/adaptor/port[.subinterface]</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adaptor</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA ■ <i>subinterface</i>—Number of the subinterface in the range 1–2147483647 	mplsMajor 3/0/2.1
mplsMinor	MPLS minor interface	[<i>vr:</i>] <i>tunnel-name</i> <ul style="list-style-type: none"> ■ <i>vr</i>—Name of a virtual router ■ <i>tunnel-name</i>—Name of the tunnel 	mplsMinor lsp-02020202-1-4

Table 2: Interface Types and Specifiers for E120 Router and E320 Router *(continued)*

Interface Type	Description	Interface Specifier	Example
pos	Packet over SONET (POS) interface	<i>slot/adapter/port</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adapter</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA 	pos 5/0/0
sonet – line layer	Line layer of a SONET/SDH interface	<i>slot/adapter/port</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adapter</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA 	sonet 3/0/0
sonet – path layer	Path layer of a SONET/SDH interface	<i>slot/adapter/port</i> <ul style="list-style-type: none"> ■ <i>slot</i>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <i>adapter</i>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <i>port</i>—Port number on the IOA 	sonet 3/0/0

Table 2: Interface Types and Specifiers for E120 Router and E320 Router *(continued)*

Interface Type	Description	Interface Specifier	Example
sonet – section layer	Section layer of a SONET/SDH interface	<code>slot/adapter/port</code> <ul style="list-style-type: none"> ■ <code>slot</code>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <code>adapter</code>—Identifier for the IOA within the chassis slot, either 0 or 1, where: <ul style="list-style-type: none"> ■ 0 indicates that the IOA is installed in the right IOA bay (E120 router) or the upper IOA bay (E320 router). ■ 1 indicates that the IOA is installed in the left IOA bay (E120 router) or the lower IOA bay (E320 router). ■ <code>port</code>—Port number on the IOA 	sonet 3/0/0
tenGigabitEthernet	IEEE 802.3ae 10-Gigabit Ethernet (GE) interface	<code>slot/adapter/port[.subinterface1[.subinterface2]]</code> <ul style="list-style-type: none"> ■ <code>slot</code>—Number of the chassis slot in the range 0–5 (E120 router) and 0–5 or 11–16 (E320 router) ■ <code>adapter</code>—Identifier for the IOA within the chassis slot. 0 indicates that this a full-height IOA. ■ <code>port</code>—Port number on the IOA <p>The meaning of the <i>subinterface</i> variables depends on the configuration context. You can configure 10-Gigabit Ethernet interfaces with or without VLANs.</p> <ul style="list-style-type: none"> ■ VLANs: <ul style="list-style-type: none"> ■ <code>subinterface1</code>—Number of the VLAN subinterface in the range 1–2147483647; no more than 4096 VLAN subinterfaces per 10-Gigabit Ethernet physical port ■ <code>subinterface2</code>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 16,000 PPPoE subinterfaces per 10-Gigabit Ethernet line module ■ No VLANs: <ul style="list-style-type: none"> ■ <code>subinterface1</code>—When using PPPoE, the number of the PPPoE subinterface in the range 1–2147483647; no more than 16,000 PPPoE subinterfaces per 10-Gigabit Ethernet line module ■ <code>subinterface2</code>—Not used 	tenGigabitEthernet 4/0/1.20

Table 2: Interface Types and Specifiers for E120 Router and E320 Router *(continued)*

Interface Type	Description	Interface Specifier	Example
tunnel	Tunnel interface	<i>tunnel-type:tunnel-name[.subinterface]</i> <ul style="list-style-type: none">■ <i>tunnel-type</i>—Type of the tunnel: dvmrp, gre, l2tp, or mpls■ <i>tunnel-name</i>—Name of the tunnel■ <i>subinterface</i>—For GRE tunnels, number of the subinterface in the range 1–2147483647	tunnel gre:boston

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