Technical Specifications

The Cisco Security Packet Analyzer 2400 series appliances are based on the UCS C240 server. This appendix includes the following sections:

Cisco Security Packet Analyzer2400 Technical Specifications

The following table contains links to the technical specifications for the Cisco Security Packet Analyzer appliance.For more information about the Cisco UCS C240 server, see the *Cisco UCS C240 Server Installation and Service Guide*.

SFP Port Cable Specifications

The Cisco Security Packet Analyzer 2400 uses 10G SFP modules. For SFP cabling specifications, see *Installing the GBIC, SFP, SFP+, XFP, CXP, and CFP Optical Modules in Cisco ONS Platforms.*

Optical Tap Devices

You can use an optical tap device to get a copy of traffic flows between two network devices. Passive taps, such as optical tap devices, ensure that the flowing traffic is not altered regardless of its connection to the Packet Analyzer appliance and provide a very low point of failure.

Traffic flows will be interrupted while you connect an optical tap, but doing so should take less than a minute and can be done during a network maintenance window.

Packet Analyzer appliances are designed to receive tapped network traffic from both directions, from multiple links simultaneously, and to accurately merge received traffic to a single stream for high precision analysis.

Although passive optical taps do not alter the network characteristics and dynamics of flowing traffic, an optical tap does reduce the signal strength, so care should be taken to follow the tap specifications including your network link length and tapping location.

Note Pay attention to the optical split ratio of your passive taps with regard to your optical cable lengths. If the cable between the two devices or the cable from the tap to your Cisco Security Packet Analyzer appliance is very long, you might need to select a different split ratio other than 50/50 to make sure the receive side signals on your two devices and Cisco Security Packet Analyzer appliance are all strong enough to not introduce any line errors. Refer to user instructions of your optical tap device for more information.

Table C-1 lists the 10 GE optical tap devices that have been successfully tested with the Cisco Security Packet Analyzer 2400 series appliance in a tap configuration.

Table C-1 10 Gb Optical Taps

Vendor	Product Description	Model
NetOptics	10 GigaBit Fiber Tap (MM50:50 850 nm SC)	TP-SR4-SCSLM
	10 GigaBit Fiber Tap (MM50:50 850 nm SC)	TP-SR5-SCSLM
	10 GigaBit Fiber Tap (SM50:50 1310 nm SC)	TP-LR5-SCSLM
DataCom Systems	Single channel 10 Gb passive Tap	F50/50/9-S-10G
Network Critical	SMF 9 850/1300NM supports 1000 base-LX, 10 Gig-LR, 10 Gig-ER	FO-S15002-LC
	MMF 50 850/1300NM supports 1000 base-SX, 10 Gig-SR	FO-M35002-LC