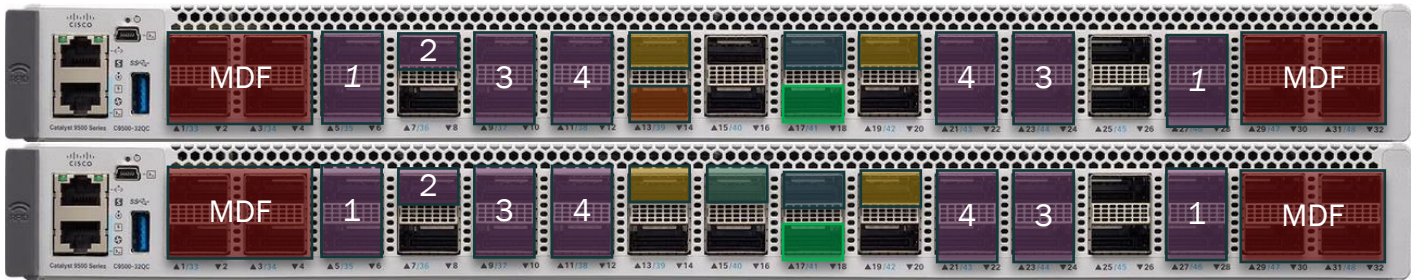


Legend	mlsSealceHQ01- SVI
VLAN 10 – Network Services VLAN 20 – Campus Data VLAN 30 – Campus Voice VLAN 40 – Finance Data VLAN 50 – Finance Voice VLAN 60 - Campus Wireless VLAN 180 – Routing	VLAN 10: 10.1.10.2/28 VLAN 20: 10.1.20.2/23 VLAN 30: 10.1.30.2/23 VLAN 40: 10.1.40.2/24 VLAN 50: 10.1.50.2/24 VLAN 60: 10.1.60.2/22 VLAN 180: 10.1.180.1/30
IP HELPER ADDRESS	
HSRP VIPs	mlsSealceHQ02- SVI
VLAN 10: 10.1.1.1 VLAN 20: 10.1.2.1 VLAN 30: 10.1.3.1 VLAN 40: 10.1.4.1 VLAN 50: 10.1.5.1 VLAN 60: 10.1.6.1	VLAN 10: 10.1.10.3/28 VLAN 20: 10.1.20.3/23 VLAN 30: 10.1.30.3/23 VLAN 40: 10.1.40.3/24 VLAN 50: 10.1.50.3/24 VLAN 60: 10.1.60.3/22 VLAN 180: 10.1.180.2/30
PROTOCOLS	
BGP IP SLA OSPF HSRP RPVSTP	

Cisco C9500-40X-E 40-Port 10G Switch Qatuity: 2



OS2 LC to LC Fiber Optic
Patch Cable Single Mode
Duplex 9/125 SMF Yellow
1M-15M. 100Gbps



AOI QSFP+ 40G-LR4
Lite 4xCWDM Daul LC
SMF
AQOLBCQ4EDMA0878



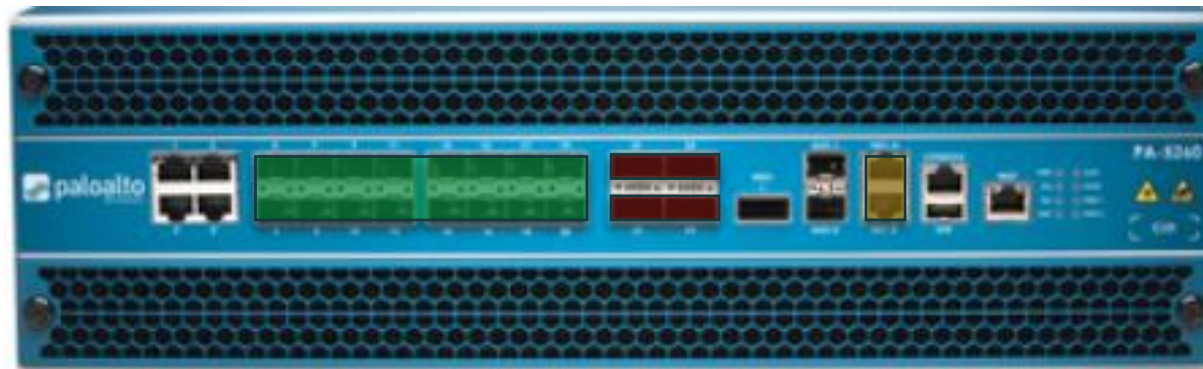
Cisco QSFP-40G-SR-BD
40GBASE-SR BiDi QSFP
Transceivers 10-2945-02



OM4 LC to ST Fiber Optic
Patch Cable Multimode
Duplex Aqua 50/125 LC ST
1M-15M 40Gbps



Palo Alto PA-5220 Next-Generation Firewall VPN Gateway



OS2 LC to LC Fiber Optic
Patch Cable Single Mode
Duplex 9/125 SMF Yellow
1M-15M. 100Gbps



AOI QSFP+ 40G-LR4
Lite 4xCWDM Daul LC
SMF
AQOLBCQ4EDMA0878



OPTIONAL HA PAIR
PORTS
Would require
Ethernet cable
installed

MDFs

HA

ISP

Cisco C9300 48U-A



Cisco QSFP-40G-SR-BD
40GBASE-SR BiDi QSFP
Transceivers 10-2945-02



MDFs

OM4 LC to ST Fiber Optic
Patch Cable Multimode
Duplex Aqua 50/125 LC ST
1M-15M 40Gbps



Cisco Catalyst 9300 2-Port
40GbE QSFP+ Network Module
*8 = 320Gbps = 1.6G per drop



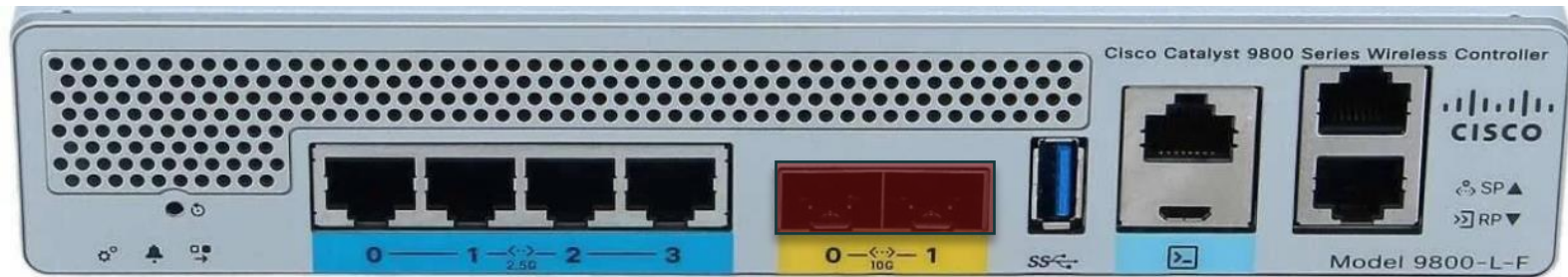
MDFs

CAT 6 Ethernet Cable Lan
Network CAT6 Internet
Modem Blue RJ45 Patch
Cord



CAT6

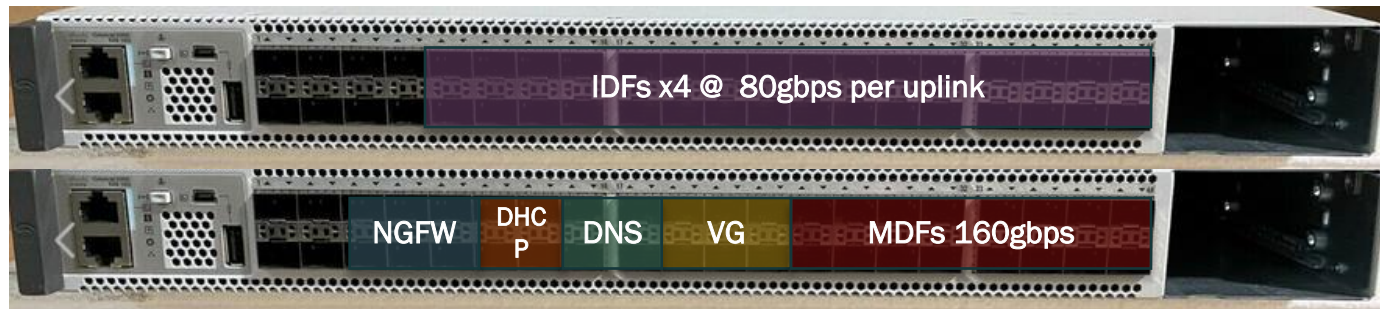
Cisco C9800-L-C-K9 Catalyst 9800-L Copper Uplink Wireless LAN Controller



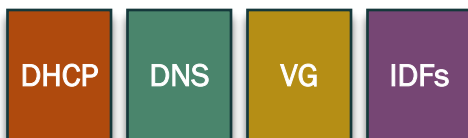
10Gtek SFP-10G-SR 10GBase Multi Mode LC Connector



CORE



10Gtek SFP-10G-SR 10GBase
Multi Mode LC Connector
Quantity: 52



Cisco SFP-10G-LR 10G Single
Mode LC Connector
Quantity: 28



