

Point System™ & ION Platform

Physical Hardware Configuration

	Point System™	ION Platform
1-Slot Chassis	X	X
19-Slot Chassis	X	X
Slot Numbers		X

Power Supplies

	Point System™	ION Platform
Primary AC	X	X
Primary DC	X	X
Redundant AC	X	X
Redundant DC	X	X
Power Supply Wattage (Each)	130 Watts	275 Watts
Instant Failover	X	X

Management Module Port Information

	Point System™	ION Platform
Command Line Interface (CLI)	DB-9 Male	USB Type B
Ethernet Posts	(1) 10Mbps Half Duplex	(2) 10/100Mbps Configurable

Management Module Features

	Point System™	ION Platform
SNMP v1	X	X
SNMP v2		X
SNMP v3		X
IP v4	X	X
IP v6		X
SNTP		X
Command Line Communication	To MMU	To MMU & Cards

Management Security Features

	Point System™	ION Platform
Management VLAN		X
Telnet	X	X
Secure Socket Layer (SSL)		X
Secure Shell (SSH)		X
802.1x RADIUS		X
Public MIBs	Private	Public

Access Control Lists (ACL)

	Point System™	ION Platform
MAC ACL (Layer 2)	Filter MAC	X
IP ACL (Layer 3)	IP Firewall	X
TCP/UDP ACL (Layer 4)		X

File Management

	Point System™	ION Platform
Remote Firmware Upgrade	X	X
Human Readable/Editable	X	X
Back-up and Restore		X

Slide-In-Modules Supported

	Point System™	ION Platform
Point System Cards	X	X (with IONADP)
ION Cards		X
10/100 and 10/100/1000	X	X
10G Fiber to Fiber	X	X
10G Copper to Fiber		X
802.1ah	X	X
802.1ag		X
Y.1731		X
T1	X	X
DS3	X	X

Chassis	Point System™	ION Platform
19-Slot Chassis, AC power	CPSMC1900-100	ION219-A
19-Slot Chassis, DC power	CPSMC1910-100	ION219-D
Redundant AC power supply for 19-slot chassis	CPSMP-205	IONPS-A
Redundant 48VDC Power Supply for 19-slot chassis	CPSMP-210	IONPS-D
2-Slot Chassis, Dual AC and DC power inputs	CPSMC0200-200	ION002-AD
1-Slot Chassis, external AC Power	CPSMC0100-200	ION001-A

Management Module

Management Module	CPSMM-120	IONMM
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Fast Ethernet Modules

SM Fiber to MM Fiber for 100Mbps to 155Mbps	CFMFF1314-100	C3100-4040
Fiber SFP to Fiber SFP for 100Mbps to 2.5 Gbps	CFMFF4040-100	C3100-4040
100Base-TX RJ-45 to 100Base-FX Fiber	CFETF10xx-205	C2110-10xx
10/100Base-TX RJ-45 to 100Base-FX Fiber	CBFTF10xx-105	C2210-10xx
10/100Base-TX RJ-45 to 100Base-FX with OAM/IP Mgmt	CFBRM10xx-100	C2220-10xx

Gigabit Ethernet Modules

SM SFP to MM SFP for 100Mbps to 2.5 Gbps	CFMFF1314-220	C3100-4040
Fiber SFP to Fiber SFP for 100Mbps to 2.5 Gbps	CFMFF4040-100	C3100-4040
1000Base-T RJ-45 to 1000Base-X Fiber	CGETF10xx-110	C3110-10xx
10/100/1000Base-T RJ-45 to 1000Base-X Fiber	CGFEB10xx-120	C3210-10xx
10/100/1000Base-TX RJ-45 to 100Base-FX with OAM/IP Mgmt	CBFFG10xx-105	C3220-10xx
10/100/1000Base-TX RJ-45 to 100Base-FX with OAM/IP Mgmt NID	N/A	C3230-10xx

10Gig Ethernet Modules

Fiber SFP+ to Fiber SFP+ for 1Gbps to 11.5Gbps	CTGFF4848-100	C4110-4848
10GBase-T RJ-45 to 10Gig Fiber SFP+	N/A	C4120-1048

T1/E1 Modules

T1/E1 RJ-48 over Fiber	CSDTF10xx-120	C6010-10xx
4 Ports T1/E1 RJ-48 over Fiber	C4TEF10xx-120	C6110-10xx
4 Ports T1/E1 RJ-48 plus 10/100Base-T RJ-45 over Fiber	C4TEF10xx-125	C6120-10xx

DS3-T3/E3 Modules

DS3-T3/E3, 2 Coax BMC to Fiber	CCSCF30xx-110	C6210-30xx
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ION Adapter

Allows Point System modules to be installed in an ION chassis	N/A	IONADP
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