

Fibre Channel directors: Core components

Vendor/ Product lines	FIBRE CHANNEL (FC) PORTS										BACKPLANE			MICROCODE/ FIRMWARE		INTER-SWITCH LINKS (ISLs)					
	Minimum number of ports	Maximum number of ports	FC port speeds (Gb/sec)	FC LINE CARDS			FC PORT BUFFER CREDITS			Protocols supported	Type	Archite- cture	Internal chassis bandwidth	OS level	NPIV	Maximum number of ISLs	ISL AGGREGATION			Interop modes	
				1Gb/sec or 2Gb/sec	1Gb/sec, 2Gb/sec or 4Gb/sec	10Gb/sec	Intermix line cards chassis	Default	Minimum								Maximum	Load- balancing FSPF	Vendor- specific modes		Maximum number
Brocade Communications Systems Inc. SilkWorm 24000, SilkWorm 48000	16	128 (chassis), 384 (rack)	1Gb/sec, 2Gb/sec, 4Gb/sec	16	16	0	✓	26	26	108 (2Gb/sec), 250 (4Gb/sec)	FICON	Passive	Central Memory Architecture	0.5Tb/sec	FabricOS v5.0.1	✓	128	✓	Frame-based strip- ing, Exchange-based load balancing	4-2Gb/sec, 8-4Gb/sec	Open mode
	16	256 (chassis), 768 (rack)	1Gb/sec, 2Gb/sec, 4Gb/sec	16	16, 32	0	✓	8	8	250	FICON	Passive	Central Memory Architecture	217Tb/sec	FabricOS v5.0.1	✓	256	✓	Frame-based strip- ing, Exchange-based load balancing	8-4Gb/sec	Open mode
Cisco Systems Inc. MDS 9506, MDS 9509	14	128 (chassis), 768 (rack)	1Gb/sec, 2Gb/sec	16, 32, 14 + 2GbE	0	0	✓	16**, 12**	2	255 (standard), 3,500 (optional)	iSCSI, FCIP, FICON	Passive	Crossbar with VOQ	1.4Tb/sec	SAN-OS 2.1	✓	128	✓	Hash based on source, destination and exchange ID	16	All: Open, Brocade and QLogic: Native
	14	224 (chassis), 672 (rack)	1Gb/sec, 2Gb/sec	16, 32, 14 + 2GbE	0	0	✓	16**, 12**	2	255 (standard), 3,500 (optional)	iSCSI, FCIP, FICON	Passive	Crossbar with VOQ	1.4Tb/sec	SAN-OS 2.1	✓	224	✓	Hash based on source, destination and exchange ID	16	All: Open, Brocade and QLogic: Native
Maxxan Systems Inc. MXV500	16	256 (chassis), 512 (rack)	1Gb/sec, 2Gb/sec	16	0	0		16	8	128	FCIP	Passive	Crossbar	1Tb/sec	VxWorks		256	✓		256	Open mode
McData Corp. Intrepid 6140, Intrepid 10000 (i10K)	8	140 (chassis), 420 (rack)	1Gb/sec, 2Gb/sec, 10Gb/sec	4	4	1	✓	60	16 (1Gb/sec and 2Gb/sec), 400 (10Gb/sec)	60	FICON	Passive	Crossbar	.63Tb/sec	E/OS 8.0	✓	140	✓	Open trunking	140	All: Open mode, McData: Native
	32	256 (chassis), 512 (rack)	1Gb/sec, 2Gb/sec, 10Gb/sec	32	32	26*, 20*	✓	16	1	1,133	FICON	Passive	Crossbar	1.55Tb/sec	E/OSn 6.3	✓	140			140	All: Open mode, McData: Native

* Two 10Gb/sec with 24 2Gb/sec or four 10Gb/sec with 16 2Gb/sec

** Default of 16 buffer credits on 16-port line card and 12 buffer credits on 32-port line card