

# IBM BladeCenter

## Switch/Chassis Interoperability Matrices

Oct 11, 2007

### Legend

Items in Green are on the ServerProven List

Items in Red cannot work due to lack of appropriate bays

Items in Yellow might function, but are not ServerProven

Additional note: When they exist, this document combines pre-RoHS and RoHS models of devices in the matrices [pre-RoHS, RoHS]

At the time this document was created, the BladeCenter S chassis had not been ServerProven with any pre-RoHS versions of switches.

# Ethernet switch and connectivity matrix

Ethernet Switch Interoperability by IBM BladeCenter Model	BC BCE	BCT	BCH	BCHT	BCS
IBM L2 Switch (DLink) [13N0568, 48P7054]	y	Y			
Intel L2 gigE Switch for BCT [90P3776]		y			
Cisco gigE Switch (aka CIGESM) [13N2281, 32R1892]	y	Y	Y	Y	
Cisco Fiber gigE Switch [26K6547, 32R1888]	y	Y	Y	Y	
IBM Server Connectivity Module [39Y9324]	y	Y	Y	Y	y
Nortel L2/3 gigE Switch [26K6530, 32R1860]	y	Y	Y	Y	y
Nortel L2/3 Fiber gigE Switch [26K6531, 32R1861]	y	Y	Y	Y	y
Nortel L2-7 gigE Switch [73P9057, 32R1859]	y	Y	Y	Y	
Nortel gigE w/ 10g Uplink [32R1783]	y	Y	Y	Y	y
Nortel 10g High Speed Switch [39Y9267]	n	n	Y	y	n
Copper Passthru Module [63P6100, 39Y9320]	y	y	y	y	y
Fibre Passthru Module [02R9080, 39Y9316]	y	y	y	y	y
Multi-switch Interconnect Module [39Y9314]	n	n	y	y	n
QLogic Infiniband Ethernet Bridge Module [39Y9207]	n	n	y	y	n

# SAN switch and connectivity matrix

SAN Switch Interoperability by IBM BladeCenter Model	BC BCE	BCT	BCH	BCHT	BCS
QLogic FC Switch (2Gbps) [48P7062]	y	y	?	Y	
QLogic FC Switch (6 ext) (2Gbps) [26K6477]	y	y	Y	Y	
QLogic 10-port FC Switch (4Gbps) [32R1904, 43W6724]	y	y	Y	Y	y
QLogic 20-port FC Switch (4Gbps) [26R0881, 43W6725]	y	y	Y	Y	
QLogic Intelligent Passthru Module (4Gbps) [43W6723]	y	y	y	y	
Brocade Entry Switch (2Gbps) [26K5601]	y	?	Y	Y	
Brocade Enterprise Switch (2Gbps) [90P0165]	y	?	Y	Y	
Brocade 10-port FC Switch (4Gbps) [32R1813, 39Y9284]	y	y	Y	Y	y
Brocade 20-port FC Switch (4Gbps) [32R1812, 39Y9285]	y	y	Y	Y	
McData FC Switch (6 ext) (2Gbps) [32R1790]	y	Y	Y	Y	
McData 10-port FC Switch (4Gbps) [32R1905]	y	Y	Y	Y	
McData 20-port FC Switch (4Gbps) [32R1833]	y	Y	Y	Y	
Cisco 10-port FC Switch (4Gbps) [39Y9284]	y	Y	Y	Y	y
Cisco 20-port FC Switch (4Gbps) [39Y9280]	y	Y	Y	Y	
Fibre Passthru Module [02R9080, 39Y9316]	y	Y	y	Y	y
Multi-switch Interconnect Module [39Y9314]	n	N	y	y	n
QLogic Infiniband FC Bridge Module [39Y9211]	n	N	y	y	n
SAS Expander Switch [39Y9195]	y	y	y	y	y

# Infiniband switch and connectivity matrix

Infiniband Switch Interoperability by IBM BladeCenter Model	BC BCE	BCT	BCH	BCHT	BCS
Cisco/Topspin Infiniband Switch (1x int, 4x ext) [26K6454, 32R1900]	y	y	y	y	?
Cisco High Speed Infiniband Switch (4x int, 4x ext) [32R1756]	n	n	y	y	n
Infiniband Passthru Module [43W4419]	n	n	y	y	n
QLogic Infiniband Ethernet Bridge Module [39Y9207]	n	n	y	y	n
QLogic Infiniband FC Bridge Module [39Y9211]	n	n	y	y	n

# IBM BladeCenter SAN switch progression

	Replaced by	Replaced by
QLogic 2 port (2g) 48P7062	QLogic 6 Port (2g) 26K6477	QLogic 20 Port (4g) 26R0881, 43W6725
14 int, 2 ext, no limits	14 int, 6 ext, no limits	14 int, 6 ext, no limits

	Upgrades to
QLogic 10 Port (4g) 32R1904, 43W6724	QLogic 20 Port (4g) 26R0881, 43W6725
7 int, 3 ext enabled, no limits	14 int, 6 ext, no limits Upgrade p/n 32R1912

	Upgrades to	Replaced by
Brocade Entry (2g) 26K5601	Brocade Ent (2g) 90P0165	Brocade 20 Port (4g) 32R1812, 39Y9285
14 int, 6 ext, limit 1 switch in the fabric	14 int, 6 ext, no limits Upgrade p/n 26K5618	14 int, 6 ext, no limits

	Upgrades to
Brocade 10 Port (4g) 32R1813, 39Y9284	Brocade 20 Port (4g) 32R1812, 39Y9285
7 int, 3 ext enabled, no limits	14 int, 6 ext, no limits Upgrade p/n 32R1822

	Replaced by
McData 6 Port (2g) 32R790	McData 20 Port (4g) 32R1833
14 int, 6 ext, no limits	14 int, 6 ext, no limits

	Upgrade to
McData 10 Port (4g) 32R1905	McData 20 Port (4g) 32R1833
7 int, 3 ext enabled, no limits	14 int, 6 ext, no limits Upgrade p/n 32R1912

*Notes:*

*"2 port", "6 port", "10 port" and "20 port" are the marketing names for these switches. Read the small print for actual port counts*

	Upgrades to
Cisco 10 Port (4g) 39Y9284	Cisco 20 Port (4g) 39Y9280
7 int, 3 ext enabled, no limits	14 int, 6 ext, no limits Upgrade p/n 39Y9290