



HP Cluster Configuration Support Matrix For Microsoft Windows Server 2003, X64 Editions StorageWorks Disk Array XP24000/XP20000

Config	Supported Servers*	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
Windows Server 2003 x64 EE	<p>WS03 supported nodes = 2-8</p> <p>ProLiant</p> <ul style="list-style-type: none"> • BL20p G2^ • BL20p G3^^^ • BL40p • BL30p^^ • BL35p^^ • BL25p^^^^ • BL45p^^^^ • DL360 G4, DL360 G5 • DL360 G4p • DL365 • DL380 G4, DL380 G5 • DL580 G3, DL580 G4, DL580 G5 • DL585, DL585 G2 • DL385, DL385 G2 • ML370 G4, ML370 G5 • ML530, ML530 G2 • ML570 G3, ML570 G4 • BL460c • BL480c • BL465c • BL680c • BL685c <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3</p> <p>^^^^Note: Supports the HPBALCF 105</p> <p>Server Software: SmartStart Ver: 8.00</p>	<p>HBA Family 1 StorPort Driver: 9.1.3.18 BIOS: 1.26 (1.64)</p> <ul style="list-style-type: none"> •QMH2462 <p>HBA Family 2 StorPort Driver: 5-2.00a12 FW: 2.72a2 BIOS: 3.00a4 (6.00a2)</p> <ul style="list-style-type: none"> •LPe1105 <p>HBA Family 3 StorPort Driver: 9.1.7.17 BIOS: 2.02 (1.73af)</p> <ul style="list-style-type: none"> •FC1143 •FC1243 <p>HBA Family 4 StorPort Driver: 5-2.01a4 FW: 2.72a2 BIOS: 2.01a2 (5.03a0)</p> <ul style="list-style-type: none"> •FC2143 •FC2243 <p>HBA Family 5 StorPort Driver: 9.1.7.17 BIOS: 2.02 (1.73af)</p> <ul style="list-style-type: none"> •FC1142SR •FC1242SR <p>HBA Family 6 StorPort Driver: 5-2.01a4 FW: 2.72a2 BIOS: 2.01a2 (5.03a0)</p> <ul style="list-style-type: none"> •FC2142SR •FC2242SR <p>HBA Family 7 StorPort Driver: 5-2.01a4 FW: 1.91a5 BIOS: 2.01a2 (5.03a0)</p> <ul style="list-style-type: none"> •FCA2404 •FCA2404DC <p>HBA Family 8 StorPort Driver: 5-2.00a12 FW: 1.91a5 BIOS: 1.71a0 (5.02a1)</p> <ul style="list-style-type: none"> •A7387A •A7388A <p>HBA Family 9 StorPort Driver: 5-2.00a12 FW: 3.93a0 BIOS: 1.70a3</p> <ul style="list-style-type: none"> •FCA2101 •FCA2355 <p>HBA Family 10 StorPort Driver: 9.1.3.18 BIOS: 1.45</p> <ul style="list-style-type: none"> •FCA2214 •FCA2214DC •FC Mezz card <p>HBA Family 11 StorPort Driver: 9.1.3.18 BIOS: 1.48</p> <ul style="list-style-type: none"> •FC Balcony card 	<p>HP FF MPIO DSM for XP Ver: 3.00.00</p>	<p>HP StorageWorks Disk Array XP24000 Controller Firmware: 60.02.48.00/12 Minimum Controller Firmware: 60-01-31-00/00</p> <p>HP StorageWorks Disk Array XP20000 Controller Firmware: 60.02.48.00/12 Minimum Controller Firmware: 60-01-68-00/00</p> <p>HP StorageWorks Cluster Extension XP version 2.08.01</p>	<p>B-Series StorageWorks SAN Switches (8/16 ports 2Gb) FW: 3.2.1c</p> <ul style="list-style-type: none"> •MSA SAN Switch 2/8 •SAN Switch 2/16 <p>StorageWorks SAN Switches (2Gb) FW: 5.3.1a</p> <ul style="list-style-type: none"> •SAN Switch 2/8V •SAN Switch 2/16V •SAN Switch 2/16N FF <p>StorageWorks SAN Switches (>32 ports) FW: 5.3.1a</p> <ul style="list-style-type: none"> •SAN Switch 2/32 •SAN Director 2/128 <p>StorageWorks SAN Switches (>32 ports) FW: 5.0.5f</p> <ul style="list-style-type: none"> •Core Switch 2/64 <p>StorageWorks SAN Switches (4Gb) FW: 6.1.0c</p> <ul style="list-style-type: none"> •SAN Switch 4/8 •SAN Switch 4/16 •SAN Switch 4/32 •SAN Switch 4/32B •SAN Director 4/64 •SAN Director 4/256 <p>M-Series StorageWorks Director and Edge Switches FW: 09.06.02</p> <ul style="list-style-type: none"> •Director 2/64 •Director 2/140 •Edge Switch 2/12 •Edge Switch 2/16 •Edge Switch 2/24 •Edge Switch 2/32 <p>C-Series Cisco Switches</p> <ul style="list-style-type: none"> •MDS 9120 •MDS 9140 •MDS 9216 •MDS 9506 •MDS 9509 •MDS 9513 FW: 3.3(1a) <p>*Note: BL30p, BL35p servers not supported with M-Series director class switches.</p>	<p>For additional information on StorPort drivers, we recommend a search of Microsoft's website for the latest StorPort QFE.</p>

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		<p>*Note 1: HBAs must be used homogeneously within a cluster; but can be mixed if they are from the same HBA family as identified above.</p> <p>*Note 2: Refer to Server QuickSpecs for confirmation on supported HBAs</p> <p>*Note 3: StorPort Driver only supported on Windows Server 2003 Operating Systems.</p>				July 2008

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