

Quantum  
0-16418-01 Rev A

Quantum QXS 12G Systems Interoperability Matrix  
2U12, 2U24, & 5U84 Storage Arrays  
Tested Host Adapters

Device Type	Vendor	Product	Operating Systems												
			QXS G2 (12G)	Windows 2012R2	Windows 2016	Ubuntu 17.04	CentOS 6.8	CentOS 7.2	RHEL 6.9	RHEL 7.3	RHEL 7.4	SLES 11 SP4	SLES 12 SP2	VMWare ESXi 6.0 U3	VMWare ESXi 6.5
Required Array Firmware Version			GT265												
Fibre Channel HBA	Emulex	16Gb Gen 5 (Lenovo 00JY809)	✓									✓			
		LPe12002 (Lenovo 42D0494)	✓								✓				
		LPe16002 (Lenovo 81Y1662)	✓								✓			✓	✓
		LPe16002B	✓						✓				✓	✓	✓
		LPe16002B-M6-L	✓						✓						✓
		LPe31002 16Gb Gen 6 (Lenovo 01CV842)	✓								✓				✓
		LPe32002-M6-LP (Lenovo 00YK539)	✓							✓					✓
		QLE2562 (Lenovo 42D0510)	✓								✓			✓	✓
		QLE2564	✓		✓										
		QLE2662 (Lenovo 00Y3341)	✓				✓	✓			✓				✓
	QLE2692	✓	✓			✓	✓								
	QLE2692 (Lenovo 01CV760)	✓								✓				✓	
	QLE2672 (Lenovo 4XC0F28745)	✓							✓					✓	
	QLE2742 (Lenovo 00YK542)	✓							✓					✓	
	IBM (Flex System)	FC3052 (By Emulex)	✓											✓	✓
		FC5052 (By Emulex)	✓	✓											✓
		FC3172 (By Qlogic)	✓	✓											
		FC5172 (By Qlogic)	✓											✓	✓
		QML2692 (Lenovo 72T7A00520)	✓	✓											
	10 Gbit iSCSI	Intel	I350	✓		✓									
Emulex		OCe14102-U3-X	✓									✓			✓
		VFA III for IBM System x	✓												
		VFA 5+ for IBM System x	✓							✓					✓
		VFA5.2 for IBM System x (OCe14102B-U-X)	✓							✓					✓
			✓												
HP		CN1100e (Emulex BE3)	✓		✓										
		CN1200E	✓			✓									
Broadcom		NetXtreme II BCM57840	✓		✓										
Intel		X520-T2	✓		✓										
QLogic		QLE8200/QLE3262 (Lenovo 90Y4605)	✓									✓			✓
IBM (Flex System)		CN4054R (By Emulex)	✓							✓				✓	✓
		CN4052R (By Emulex)	✓	✓											
		CN4058S	✓	✓											
		CN4022 (By Broadcom)	✓									✓			
	EN2024 (By Broadcom)	✓									✓				

<b>Quantum</b> 0-16418-01 Rev A	<b>Quantum QXS 12G Systems Interoperability Matrix</b> <b>2U12, 2U24, &amp; 5U84 Storage Arrays</b> Supported Host Adapters
------------------------------------	---

Device Type	Vendor	Product		Operating Systems
Required Array Firmware Version			GT265	See HBA Vendor for Operating Systems supported for each HBA

<b>Fibre Channel HBA</b>	<b>Emulex</b>	LPe1105	✓	
		LPe1205	✓	
		16Gb Gen 5 (Lenovo 00Y809)	✓	
		16Gb Gen 6 (Lenovo 01CV842)	✓	
		LPe11002	✓	
		LPe12000 (Lenovo 42D0485)	✓	
		LPe12002 (Lenovo 42D0494)	✓	
		LPe16000 (Lenovo 81Y1655)	✓	
		LPe16002 (Lenovo 81Y1662)	✓	
		LPm16002-M6-L	✓	
		LPe16002B	✓	
		LPe16002B-M6-L	✓	
		LPe16002B-M8-L	✓	
		LPm15004-M8-L	✓	
		LPe15004B-M6-L	✓	
		LPe16004B-M6-L	✓	
		LPe31002 16Gb Gen 6 (Lenovo 01CV842)	✓	
		LPe32002-M6-LP (Lenovo 00YK539)	✓	
	<b>Qlogic</b>	QLE2560 (Lenovo 42D0501)	✓	
		QLE2562 (Lenovo 42D0510)	✓	
		QLE2564	✓	
		QLE2662 (Lenovo 00Y3341)	✓	
		QLE2672 (Lenovo 00FC610)	✓	
		QLE2692	✓	
		QLE 2692 (Lenovo 01CV760)	✓	
		QLE2740 (Lenovo 00YK541)	✓	
		QLE2742 (Lenovo 00YK542)	✓	
		ISP2532-based 8Gb	✓	
		ISP8324-based 16Gb	✓	
		QMH2462	✓	
	QMH2562	✓		
	QMH2572 (Gen8)	✓		
	<b>HP</b>	SA1000Q	✓	
	<b>Brocade</b>	16Gb Dual Port for IBM System x (81Y1675)	✓	
	<b>ATTO</b>	FC-161E	✓	
		FC-162E	✓	
		FC-164E	✓	
		FC-81EN	✓	
		FC-82EN	✓	
	<b>IBM (Flex System)</b>	FC-84EN	✓	
	<b>IBM (Flex System)</b>	FC3052 (By Emulex)	✓	
		FC5052 (By Emulex)	✓	
		FC3172 (By Qlogic)	✓	
		FC5172 (By Qlogic)	✓	
		QML2692 (Lenovo 72T7A00520)	✓	
<b>1Gb iSCSI</b>	<b>IBM (Flex System)</b>	EN2024.1Gb	✓	
	<b>Intel</b>	Pro1000	✓	
		I350	✓	
	<b>QLogic</b>	QLE4062c	✓	
<b>VMWare</b>	VMKNic	✓		
<b>10 Gbit iSCSI</b>	<b>Emulex</b>	OCe10102-NX	✓	
		OCe11102-FC	✓	
		OCe14102-U3-X	✓	
		OCm14102-UX-L	✓	
		VFA III for IBM System x	✓	
		VFA 5+ for IBM System x	✓	
		VFA5.2 for IBM System x (OCe14102B-U-X)	✓	
		<b>HP</b>	CN1100e (Emulex BE3)	✓
			CN1100r (Broadcom)	✓
			CN1200E	✓
	<b>Broadcom</b>	NetXtreme II BCM578105	✓	
		NetXtreme II BCM57840	✓	
	<b>Intel</b>	XS20-T2	✓	
	<b>QLogic</b>	QLE8200/QLE3262 (Lenovo 90Y4605)	✓	
		QLE8242	✓	
		QLE8340	✓	
		QLE8342	✓	
	<b>IBM (Flex System)</b>	CN4054R (By Emulex)	✓	
		CN4052R (By Emulex)	✓	
		CN4058S (By Emulex)	✓	
		CN4022 (By Broadcom)	✓	
		EN2024 (By Broadcom)	✓	

Quantum  
0-16418-01 Rev A

Quantum QXS 12G Systems Interoperability Matrix  
Supported Operating Systems

		OS Version	RAID Chassis
<b>Operating Systems</b>	<b>Microsoft Windows Server</b>	2012 R2	✓
		2012 R2 Hyper-V	✓
		2016	✓
		2016 Hyper-V	✓
	<b>Ubuntu</b>	Ubuntu 17.04	✓
	<b>CentOS</b>	6.8	✓
		7.2	✓
	<b>Red Hat Enterprise Linux</b>	6.8	✓
		6.9	✓
		7.2	
		7.3	✓
		7.4	✓
	<b>SuSE Linux Enterprise Server</b>	11 SP4	✓
		12 SP1	✓
		12 SP2	✓
	<b>VMWare ESXi Server</b>	5.5	✓
		5.5 U3	✓
		6.0	✓
		6.0 U1	✓
6.0U3			
		6.5	✓

<b>Quantum</b> <b>0-16418-01 Rev A</b>	<b>Quantum QXS 12G Systems Interoperability</b> <b>Matrix</b> <b>2U12, 2U24, &amp; 5U84 Storage Arrays</b> Supported Switches
---	--

<b>Switches</b>	
<b>FC Switches</b>	Astek A54812
	Brocade 6505
	Brocade 6510
	Brocade G610
	Brocade G620
	Brocade X6-4
	Brocade VDX 6720
	Dell powerconnect 8024F
	Dell Powerconnect 8132F
	HP StorageWorks 8/20q
	HP Storageworks 8/24
	IBM RackSwitch G8124E
	Qlogic SANbox 5800
	Silkworm 4100
<b>1Ghz/10Ghz Switches</b>	Cisco Catalyst 3560G
	Dell Powerconnect 2724
	Dell powerconnect 5424
	HP Procurve 2510G-24
	HP2530-24G
	Netgear Prosafe 16 JGS516

**Quantum**  
0-16418-01 Rev A

Quantum QXS 12G Systems Interoperability Matrix  
2U12, 2U24, & 5U84 Storage Arrays  
Certifications and Conformance

Product	Release	Microsoft WHQL/WHCK	Vmware Storage HCL (includes VAAI)
QXS 12G	GT265	Server 2012 R2 Server 2016	6.0 U1, U2, U3 6.5 U1