






HPE Product Portfolio - Marvell QLogic Fibre Channel HBAs and Storage Controllers

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Product Category	HPE Model	HPE P/N	QLogic Model	Ports	Port Speed	Form Factor	FC-NVMe	HPE Network Orchestrator Support	HPE Server Compatibility
 HPE Synergy Adapters	HPE Synergy 5830C 32Gb Fibre Channel Adapter	777456-B21	QMH2742	Dual	32Gb	PCIe 3.0 Type C Mezz	Yes	Yes	HPE Synergy Gen10
 16Gb FC HBAs	HPE SN1100Q 16Gb 1-port PCIe Fibre Channel HBA	P9D93A	QLE2690	Single	16Gb	PCIe 3.0	Yes	Yes	HPE ProLiant Gen9, Gen10, Gen10 Plus HPE Apollo Gen9, Gen10
	HPE SN1100Q 16Gb 2-port PCIe Fibre Channel HBA	P9D94A	QLE2692	Dual					
 32Gb FC HBAs	HPE SN1600Q 32Gb 1-port PCIe Fibre Channel HBA	P9M75A	QLE2740	Single	32Gb	PCIe 3.0	Yes	Yes	HPE ProLiant Gen9, Gen10 HPE Apollo Gen10
	HPE SN1600Q 32Gb 2-port PCIe Fibre Channel HBA	P9M76A	QLE2742	Dual					
 32Gb Enhanced FC HBAs	HPE SN1610Q 32Gb 1-port PCIe Fibre Channel HBA	R2E08A	QLE2770	Single	32Gb	PCIe 4.0	Yes	Yes	ProLiant Gen10, Gen10 Plus HPE Apollo Gen10
	HPE SN1610Q 32Gb 2-port PCIe Fibre Channel HBA	R2E09A	QLE2772	Dual					

Product Category	HPE Model	HPE P/N	Storage Capacity	Form Factor	Operating System Support	HPE Server Compatibility
 NVMe Boot Controller	HPE NS204i-p NVMe OS Boot Device	P12965-B21	480GB	PCIe 3.0	Windows Server 2016, 2016 Hyper-V, 2019, 2019 Hyper-V, RHEL 7.6 and later, SLES12 SP4, SLES15, VMware vSphere 6.0 U3, 6.7, 7.0, 7.0 U1/U2	ProLiant Gen10, Gen10 Plus HPE Apollo Gen10
	HPE NS204i-d Gen10 Plus Boot Controller (Synergy)	P21410-B21	480GB			HPE Synergy Gen10 Plus
	HPE DL36X Gen10 Plus x16/x8 M.2 NS204i-r Riser	P26463-B21	480GB			HPE DL360/365 Gen10 Plus
	HPE NS204i-t Gen10 Plus NVMe Boot Controller (Apollo)	P20292-B21	480GB			HPE Apollo 2000/6500 Gen10 Plus

All PCIe and Synergy 16GFC and 32GFC adapters listed above support HPE Smart SAN value-add integration features with HPE B-series and C-Series 16/32Gb FC switches and/or directors. These features simplify storage area network (SAN) deployment and orchestration, reduce the time required to diagnose issues and improve overall SAN resiliency and provide for quality of service. Specific features include:

FC-NVMe, FC-NVMe v2, D-Port Diagnostics, Fabric Assigned Port WWN (FA-WWN), FDMI, Read Diagnostic Parameters (RDP), Link Cable Beacons (LCB), Forward Error Correction (FEC), Buffer to Buffer Credits (BB_CR), Virtual Machine ID (VM-ID), Universal SAN Congestion Mitigation (USCM)

All HPE-branded QLogic Fibre Channel adapters are designed with dual-port isolated ASICs. This ensures internal resources supporting traffic on each physical port are completely isolated from the other physical ports on the adapter, and delivers predictable per-port performance. This design also increases overall reliability and resiliency of the SAN connections.

All PCIe and Synergy 16/32Gb adapters listed above support concurrent FCP (SCSI) and FC-NVMe communications. They also support T10 Protection information (T10-PI) checksum when connected to HPE Alletra, Primera and 3PAR 16/32Gb FC arrays. This improves data integrity by ensuring data is validated end to end in the Fibre Channel SAN.




Resources: Marvell HPE Microsite: www.marvell.com/hpe

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Product Category	HPE Model	L2 NIC	RDMA	Storage Protocol	NVMe-oF Support	HPE P/N	Old HPE Model	Ports	Port Speed	Form Factor	Server Compatibility
 Converged Network Adapters	HPE Ethernet 10/25Gb 2-port FLR-SFP28 QL41401-A2G CNA	Yes	RoCE RoCEv2 iWARP	iSCSI, FCoE	NVMe/TCP* NVMe/RoCE	867334-B21	622FLR	2	10/25GbE	FlexLOM Rack, PCIe 3.0	HPE ProLiant Gen10 HPE Apollo Gen10
	HPE CN1300R 2P CNA					Q0F09A		2		PCIe 3.0 x8	
	HPE CN1200R-T 10GBASE-T CNA					Q0F26A		1/10Gb Base-T			
	HPE FlexFabric 10Gb 2-port FLR-T 57810S Adapter	Yes		iSCSI, FCoE	NVMe/TCP*	700759-B21	533FLR-T	2	1/10Gb Base-T	FlexLOM Rack PCIe 2.0 x8	HPE ProLiant Gen9, Gen10 HPE Apollo Gen9, Gen10
	HPE FlexFabric 10Gb 2-port FLR-SFP+ 57810S Adapter					700751-B21	534FLR-SFP+		10GbE		
	HPE FlexFabric 10Gb 4-port FLR-T 57840S Adapter					764302-B21	536FLR-T	4	1/10Gb Base-T	Flex LOM Rack PCIe 3.0 x8	
 Ethernet Adapters	HPE Ethernet 10Gb 2-port BASE-T QL41401-A2G Adapter	Yes	RoCE RoCEv2 iWARP		NVMe/TCP* NVMe/RoCE	867707-B21	521T	2	1/10Gb Base-T	PCIe 3.0 x8	HPE ProLiant Gen10 HPE Apollo Gen10
	HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter					867328-B21	621SFP28		10/25GbE		
	HPE Ethernet 10Gb 2-port SFP+ QL41401-A2G Adapter					P08446-B21	524SFP+		10GbE		
	HPE Ethernet 10Gb 2-port SFP+ 57810S Adapter					652503-B21	530SFP+	2	PCIe 2.0 x8	HPE ProLiant Gen9, Gen10 HPE Apollo Gen9, Gen10	
	HPE Ethernet 10Gb 2-port BASE-T 57810S Adapter					656596-B21	530T				
	Marvell QL41132HQCU Ethernet 10Gb 2-port SFP+ OCP3 Adapter					Yes	RoCE RoCEv2 iWARP		NVMe/TCP* NVMe/RoCE	P08452-B21	2
	Marvell QL41132HQRJ Ethernet 10Gb 2-port BASE-T OCP3 Adapter	P10103-B21									
	Marvell QL41132HLRJ Ethernet 10Gb 2-port BASE-T Adapter	P08437-B21									
	Marvell QL41132HLCU Ethernet 10Gb 2-port SFP+ Adapter	P21933-B21	4	PCIe 3.0 x8							
	Marvell QL41134HLCU Ethernet 10Gb 4-port SFP+ Adapter	P10094-B21									
	Marvell QL41232HLCU Ethernet 10/25Gb 2-port SFP28 Adapter	P22702-B21	2	10/25GbE							
	Marvell QL41232HQCU Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	P10118-B21		10/25GbE	OCP 3.0						
 HPE Synergy Adapters	HPE Synergy 4820C 10/20/25Gb CNA	Yes	RoCE RoCEv2 iWARP	iSCSI, FCoE	NVMe/TCP* NVMe/RoCE	876449-B21	2	10/20/25GbE	PCIe 3.0, Type C Mezz	HPE Synergy Gen10	
	HPE Synergy 6820C 25/50Gb CNA					P02054-B21		25/50GbE			
	HPE Synergy 6810C 25/50Gb Ethernet Adapter					867322-B21					

* NVMe/TCP support with Software Initiator from host O/S

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