





HPE Product Portfolio - Marvell QLogic Fibre Channel HBAs

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Product category	HPE model	HPE P/N	QLogic base	Ports	Port speed	Form factor	FC-NVMe, FC-NVMe v2	HPE server compatibility
 64Gb FC HBAs	HPE SN1700Q 64Gb 1-port PCIe Fibre Channel HBA	R7N86A	QLE2870	Single	64Gb	PCIe 4.0	Yes	HPE ProLiant Gen11, HPE Alletra 4100, HPE Apollo 4200 Gen10 Plus
	HPE SN1700Q 64Gb 2-port PCIe Fibre Channel HBA	R7N87A	QLE2872	Dual				
 Enhanced 32Gb FC HBAs	HPE SN1610Q 32Gb 1-port PCIe Fibre Channel HBA	R2E08A	QLE2770	Single	32Gb	PCIe 4.0	Yes	HPE ProLiant Gen11, HPE ProLiant Gen10 & Gen10 Plus, HPE Alletra 4100, HPE Apollo Gen10 & Gen10 Plus, HPE Superdome Flex, HPE SimpliVity
	HPE SN1610Q 32Gb 2-port PCIe Fibre Channel HBA	R2E09A	QLE2772	Dual				
 Enhanced 16Gb FC HBAs	HPE SN1100Q 16Gb 1-port PCIe Fibre Channel HBA	P9D93A	QLE2690	Single	16Gb	PCIe 3.0	Yes	HPE ProLiant Gen10, Gen10 Plus, HPE Alletra 4100, HPE Apollo Gen10, Gen10 Plus, HPE Superdome Flex, HPE SimpliVity
	HPE SN1100Q 16Gb 2-port PCIe Fibre Channel HBA	P9D94A	QLE2692	Dual				
 HPE Synergy Adapters	HPE Synergy 5830C 32Gb Fibre Channel Adapter	777456-B21	QMH2742	Dual	32Gb	PCIe 3.0 Type C Mezz	Yes	HPE Synergy Gen10, Gen10 Plus, Gen11

All PCIe and Synergy 16/32/64Gb FC adapters listed above support HPE Smart SAN value-add integration features with HPE B-series and C-Series 16/32/64Gb 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 Beaconing (LCB), Forward Error Correction (FEC), Buffer to Buffer Credits (BB_CR), Virtual Machine ID (VM-ID), Universal SAN Congestion Mitigation (USCM), Virtual Lane Technology¹

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 16/32/64Gb FC 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.

Notes:

1. Applies to SN1700Q HBAs only


Resources: Marvell HPE microsite: www.marvell.com/hpe
Follow The Wire Rewards website: www.ftwrewards4hpe.com


HPE driver downloads www.hpe.com/support
General queries: email oem-customer-queries@marvell.com



HPE Product Portfolio - Marvell ProLiant storage controllers and HPE Synergy adapters

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Product category	HPE model	HPE P/N	Storage capacity	Form factor	Operating system support	HPE server compatibility
	HPE NS204i-u Gen11 Hot Plug Boot Device	P48183-B21	480GB	PCIe 3.0	Windows Server 2019, 2022, RHEL 8, SLES15, VMware ESXi 7 U3, 8.x	HPE ProLiant Gen11
	HPE NS204i-d Gen11 Boot Controller (Synergy)	P39568-B21				HPE Synergy Gen11
	HPE NS204i-p OS Boot Device	P12965-B21				ProLiant Gen10, Gen10 Plus HPE Apollo Gen10
	HPE NS204i-d Gen10 Plus Boot Controller (Synergy)	P21410-B21			Windows Server 2016, 2019, 2022 RHEL 7.6 and later, SLES12 SP4, SLES15 VMware ESXi 6.7, 7.x, 8.x	HPE Synergy Gen10 Plus
	HPE DL36X Gen10 Plus x16/x8 M.2 NS204i-r Riser	P26463-B21				HPE DL360/365 Gen10 Plus
	HPE NS204i-t Gen10 Plus NVMe Boot Controller (Apollo)	P20292-B21				HPE Apollo 2000/6500 Gen10 Plus, Cray XD665 System

Product category	HPE model	HPE P/N	Marvell base	Ports	Port speed	Form factor	Key features
	HPE Synergy 6820C 25/50Gb Converged Network Adapter	P02054-B21	QL45000 Series	Dual	25/50Gb	PCIe 3.0 Type C Mezz	Networking: TCP/IP L2 Storage protocols: FCoE, iSCSI NVMe-oF support: NVMe/TCP*, NVMe/RoCE RDMA support: RoCE, RoCEv2, iWARP
	HPE Synergy 4820C 10/20/25Gb Converged Network Adapter	876449-B21			10/20/25Gb		
	HPE Synergy 5830C 32Gb Fibre Channel Adapter	777456-B21	QMH2742	Dual	32Gb	PCIe 3.0 Type C Mezz	

* NVMe/TCP support requires software initiators

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Marvell first revolutionized the digital storage industry by moving information at speeds never thought possible. Today, that same breakthrough innovation remains at the heart of the company's storage, networking and connectivity solutions. With leading intellectual property and deep system-level knowledge, Marvell semiconductor solutions continue to transform the enterprise, cloud, automotive, industrial, and consumer markets. For more information, visit www.marvell.com.

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