FC HBA Replacement Guide for HPE ProLiant/Apollo/Synergy servers

Why Marvell® QLogic® for HPE

- **Predictable performance** – Port Isolated design delivers deterministic and scalable performance on each port
- **Improve scalability** – support for concurrent FCP and FC-NVMe improve ability to scale to newer platforms and maintain compatibility with existing arrays
- **Minimize congestion impact** – Universal SAN Congestion Mitigation (USCM) automates FPIN communications between HBA and FC switch to reduce impact of SAN congestion
- **Virtualization optimized** – support for NPIV, CS-CTL , VMID and Virtual Lanes deliver QoS and make these adapters ideal for ever-changing virtual server workloads
- **Simplified Deployment & Troubleshooting** – integrated features with B-Series and C-Series switch and HPE SFM reduce TCO related to installation, configuration and diagnostics

EOL = End of Life

	HPE/Marvell QLogic Model		Replaces HPE Model	
16Gb 1-port HBA	SN1100Q 1-port	P9D93A	SN1200E 1-port SN1100E 1-port SN1000Q 1-port	Q0L13A, C8R38A, EOL QW971A, EOL
16Gb 2-port HBA	SN1100Q 2-port	P9D94A	SN1200E 2-port SN1100E 2-port SN1000Q 2-port	Q0L14A C8R39A, EOL QW972A, EOL
32Gb 1-port HBA	SN1610Q 1-port	R2E08A	SN1600E 1-port SN1600Q 1-port SN1610E 1-port	Q0L11A P9M75A, EOL R2J62A
32Gb 2-port HBA	SN1610Q 2-port	R2E09A	SN1600E 2-port SN1600Q 2-port SN1610E 2-port	Q0L12A P9M76A, EOL R2J63A
32Gb Synergy HBA	5830C	777456-B21	3530C 3830C 5330C	777454-B21, EOL 777452-B21, EOL 870828-B21
64Gb 1-port HBA	SN1700Q 1-port	R7N86A	SN1600E 1-port SN1600Q 1-port SN1610E 1-port SN1700E 1-port	Q0L11A P9M75A, EOL R2J62A R7N77A
64Gb 2-port HBA	SN1700Q 2-port	R7N87A	SN1600E 2-port SN1600Q 2-port SN1610E 2-port SN1700E 2-port	Q0L12A P9M76A, EOL R2J63A R7N78A

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Rely on #1 Fibre Channel supplier for HPE

- **Market Leader** - 6 out of 10 HPE customers use QLogic HBAs from Marvell



- Only HBAs with **Dual-port Isolation** design
  - Delivering predictable and scalable per-port performance
- **FC-SCSI/FC-NVMe unified driver**
  - Common driver simplifies customer configurations as they transition to NVMe storage arrays
- **Virtualization optimized**
  - **VM-ID auto negotiation** and **Virtual Lane technology** for improved quality of service in virtual server environments
- **Automatic SAN congestion mitigation**
  - Universal SAN Congestion Mitigation leveraging FPIN notifications with B & C-series
  - **No additional software/cost** to enable all FPIN features
- Fabric management integration with **Brocade and Cisco** switch mgmt and with HPE software (Storage Fabric Manager, HPE iLO)

Don't settle for 2nd best. Always choose QLogic for HPE.

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