

Quick Reference Guide: Gen10 Plus Server Adapters

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10Gb Ethernet Adapters					
	QL41132HLRJ	QL41132HQRJ	QL41132HLCU	QL41132HVCU	QL41134HLCU
Part Number	P08437-B21	P10103-B21	P21933-B21	P08452-B21	P10094-B21
Chipset/Board Type	QL41102A-A2G	QL41102A-A2G	QL41102A-A2G	QL41102A-A2G	QL41104A-A2G
Bandwidth	1/10Gbps	1/10Gbps	10Gbps	10Gbps	10Gbps
Ports	2	2	2	2	4
Connection	RJ45	RJ45	SFP+	SFP+	SFP+
Form Factor	PCIe 3 x 8	OCP 3.0	PCIe 3 x 8	OCP 3.0	PCIe 3 x 8
Secure Firmware Update	✓	✓	✓	✓	✓
L2 NIC	✓	✓	✓	✓	✓
SR-IOV	✓	✓	✓	✓	✓
NPAR	-	-	-	-	-
VXLAN/NVGRE/GRE	✓	✓	✓	✓	✓
RDMA	✓	✓	✓	✓	✓
RoCE, RoCEv2	✓	✓	✓	✓	✓
iWARP	✓	✓	✓	✓	✓
FEC (RS-FEC, FC-FEC)	Not required	Not required	Not required	Not required	Not required
DPDK	✓	✓	✓	✓	✓
IEEE 1588/PTP	✓	✓	✓	✓	✓
iSCSI Software Initiator	✓	✓	✓	✓	✓
Storage Hardware Offload (iSCSI, FCoE)	-	-	-	-	-
NVMe-oF Support (NVMe/RoCE, NVMe/iWARP)	✓	✓	✓	✓	✓
Gen10 Server Support	-	-	-	-	-
Gen10 Plus Server Support	✓	✓	✓	✓	✓

10/25Gb Ethernet Adapters		
	QL41232HLCU	QL41232HVCU
Part Number	P22702-B21	P10118-B21
Chipset	QL41202A-A2G	QL41202A-A2G
Bandwidth	10/25Gbps	10/25Gbps
Ports	2	2
Connection	SFP28	SFP28
Form Factor	PCIe 3 x 8	OCP 3.0
Secure Firmware Update	✓	✓
L2 NIC	✓	✓
SR-IOV	✓	✓
NPAR	-	-
VXLAN/NVGRE/GRE	✓	✓
RDMA	✓	✓
RoCE, RoCEv2	✓	✓
iWARP	✓	✓
FEC (RS-FEC, FC-FEC)	✓	✓
DPDK	✓	✓
IEEE 1588/PTP	✓	✓
iSCSI Software Initiator	✓	✓
Storage Hardware Offload (iSCSI, FCoE)	-	-
NVMe-oF Support (NVMe/RoCE, NVMe/iWARP)	✓	✓
Gen10 Server Support	-	-
Gen10 Plus Server Support	✓	✓

Email: hpesolutions@marvell.com HPE Data Sheet: <https://www.marvell.com/hpe/hpe-industry-standard-adapters.jsp>

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Fibre Channel HBAs			
	SN1100Q	SN1600Q	SN1610Q
Part Number	P9D934/P9D94A	P9M75A/P9M76A	R2E08A/R2E09A
Bandwidth	16GFC	32GFC	32GFC
Ports	1/2	1/2	1/2
Connection	SFP+	SFP+	SFP+
Max IOPS	1.3 Million	1.3 Million	2.0 Million
ECC Encoding	64/66	64/66	64/66
Dual Port Isolation	✓	✓	✓
Secure FW / RoT	-	-	✓
NPIV Port Virtualization	✓	✓	✓
Forward Error Correction	Not required	✓	✓
T10-PI	✓	✓	✓
Fabric Assigned Worldwide Name (FA-WWN)	✓	✓	✓
Fabric-based Boot LUN (F-BLD)	✓	✓	✓
Diagnostic Port	✓	✓	✓
FC Ping	✓	✓	✓
FC Trace Route	✓	✓	✓
FC Device Management Interface (FDMI)	✓	✓	✓
Read Diag Port (RDP)	✓	✓	✓
Link Cable Beaconsing (LCB)	✓	✓	✓
Buffer to Buffer Credit Recovery (BB-CR)	✓	✓	✓
FC-NVMe	✓	✓	✓
Gen10 Server Support	✓	✓	✓
Gen10 Plus Server Support	✓	✓	✓



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