

# Mellanox HPE OEM Quick Reference Guide



HPE and Mellanox offer a wide range of InfiniBand and Ethernet solutions which provide IT organizations with end-to-end connectivity and services for servers, storage, and hyper-converged infrastructures. Mellanox intelligent interconnect solutions increase efficiency by providing the highest throughput and lowest latency and deliver data faster by running either 40/56/100/200Gb/s InfiniBand or 10/25/40/50/100 Gb/s Ethernet connectivity. Mellanox Interconnects support virtualization, overlay networks, various CPU offloads and RDMA over Converged Ethernet (RoCE). Mellanox is available across the entire HPE ProLiant, Apollo, and Synergy portfolio.

Description	Mellanox SKU	HPE SKU
<b>Ethernet Solutions for HPE Synergy</b>		
HPE Synergy 6410C 25/50Gb	N/A-Custom	868779-B21
HPE Synergy SH2200 25/50Gb Ethernet Switch	N/A-Custom	866573-B21
<b>Ethernet Adapters</b>		
HPE 843QSFP29 100GbE 2 port ConnectX-4 Adapter	N/A-Custom	P05954-B21
HPE 842SFP28 100GbE 1 port ConnectX-5 Adapter	MCX515A-CCAT	874253-B21
HPE 640SFP28 25GbE 2p ConnectX-4Lx Adapter	MCX4121A-ACAT	817753-B21
HPE 640FLR-SFP28 25GbE 2p ConnectX-4Lx Adapter	N/A-Custom	817749-B21
HPE 547FLR-QSFP VPI 40/50Gb 2-port Adapter	N/A Custom	879482-B21
HPE 840QSFP IB EDR/EN 100Gb 1p ConnectX-4 Adapter	MCX455A-ECAT	825110-B21
HPE 840QSFP IB EDR/EN 100Gb 2p ConnectX-4 Adapter	MCX456A-ECAT	825111-B21
841 oCP 100Gb QSFP28 VPI	N/A Custom	P02012-B21
<b>HPE StoreFabric Ethernet Switches</b>		
HPE StoreFabric M-Series SN2010M 25G 18SFP28 4QSFP ½ width Switch	MSN2010-CB2F	Q9E63A
HPE StoreFabric M-Series SN2100M 100G 8QSFP28 ½ width Switch	MSN2100-CB2F	Q2F24A
HPE StoreFabric M-Series SN2100M 100G 16QSFP28 ½ width Switch	MSN2100-CB2F	Q2F23A
HPE StoreFabric SN2100M 100G 8 port Upgrade E-LTU	N/A-Custom	Q2M94AAE
HPE StoreFabric SN2010M/SN2100M Rack Installation Kit	MTEF-KIT-D	Q2F25A
HPE StoreFabric M-Series SN2410M 25G 48SFP28 + 8QSFP Switch	MSN2410-CB2F	Q2F22A
HPE StoreFabric M-Series SN2410M 25G 24SFP28 + 4QSFP28 Switch	MSN2410-CB2F	Q6M27A
HPE StoreFabric SN2410M 25GbE 24p Upgrade E-LTU	N/A-Custom	Q6J40AAE
HPE StoreFabric M-Series SN2410bM 10G 48SFP+ + 8QSFP28 Switch	MSN2410-BB2F	Q6M28A
HPE StoreFabric M-Series SN2410bM 10G 24SFP+ + 4QSFP Switch	MSN2410-BB2F	Q6M29A
HPE StoreFabric SN2410bM 10GbE 24p Upgrade E-LTU	N/A-Custom	Q6J41AAE
HPE StoreFabric M-Series SN2700M 100G 32QSFP28 Switch	MSN2700-CS2F	Q2F21A
HPE StoreFabric M-Series SN2700M 100G 16QSFP28 Switch	MSN2700-CS2F	Q6M26A
HPE StoreFabric SN2700M 100GbE 16p Upgrade E-LTU	N/A-Custom	Q6J39AAE
HPE StoreFabric SN2700M 100GbE 32QSFP28 P to C TAA-compliant Switch	N/A-Custom	RoP71A
HPE StoreFabric SN2700M 100GbE 32QSFP28 C to P TAA-compliant Switch	N/A-Custom	RoP72A
HPE StoreFabric SN2410M 25GbE 48SFP28 8QSFP28 P to C Airflow TAA-compliant Switch	N/A-Custom	RoP73A
HPE StoreFabric SN2410M 25GbE 48SFP28 8QSFP28 C to P Airflow TAA-compliant Switch	N/A-Custom	RoP74A
HPE StoreFabric SN2100M 100GbE 16QSFP28 P to C Airflow ½ Width TAA-compliant Switch	N/A-Custom	RoP75A
HPE StoreFabric SN2100M 100GbE 16QSFP28 C to P Airflow ½ Width TAA-compliant Switch	N/A-Custom	RoP76A
HPE StoreFabric SN2010M 25GbE 18SFP28 4QSFP28 P to C Airflow ½ Width TAA Switch	N/A-Custom	RoP77A
HPE StoreFabric SN2010M 25GbE 18SFP28 4QSFP28 C to P Airflow ½ Width TAA Switch	N/A-Custom	RoP78A
HPE StoreFabric SN2700M 100GbE 32QSFP28 ONIE C to P Airflow Switch	N/A-Custom	RoP79A
HPE StoreFabric SN2700M 100GbE 32QSFP28 ONIE P to C Airflow Switch	N/A-Custom	RoP80A
HPE StoreFabric SN2410M 25GbE 48SFP28 8QSFP28 ONIE P to C Airflow Switch	N/A-Custom	RoP81A
HPE StoreFabric SN2100M 100GbE 16QSFP28 ONIE P to C Airflow Half Width Switch	N/A-Custom	RoP82A
HPE 100GbE QSFP28 to 4x25GbE SFP28 1m Direct Attach Copper Cable	MCP7Foo-A001R30N	Q9S72A

HPE 100GbE QSFP28 to QSFP28 5m Active Optical Cable	MFA1A00-C005	Q9S71A
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#### InfiniBand Adapters

HPE 841QSFP IB 100Gb 1 port ConnectX-5 Adapter	MCX555A-ECAT	872725-B21
HPE 841QSFP IB 100Gb 2 port ConnectX-5 Adapter	MCX556A-ECAT	872726-B21
HPE 841z IB 100Gb 2 port ConnectX-5 Adapter	N/A Custom	872723-B21
841 oCP 100Gb ConnectX-5 QSFP28 VPI	N/A Custom	P02012-B21
*HPE IB HDR/EN 200G 1P 940QSFP56*	MCX653105A-HDAT	P06154-B21
*HPE IB HDR100/EN 100G 1p 940QSFP56 G3/G4*	MCX653105A-ECAT	P06250-B21
*HPE IB HDR100/EN 100G 2p 940QSFP56 G3/G4*	MCX653106A-ECAT	P06251-B21
*HPE InfiniBand HDR PCIe G3 Auxiliary card with 150mm cable kit*	MTMK0011	P06154-B22
*HPE InfiniBand HDR PCIe G3 Auxiliary card with 350mm cable kit*	MTMK0012	P06154-B23
*HPE Apollo IB HDR 940z FIO Mezz Adapter*	N/A-Custom	P10823-B21
HPE Apollo 840z ConnectX-4 EDR 100Gb 2-port Mezz	N/A Custom	843400-B21
HPE 547FLR-QSFP VPI 40/50Gb 2-port Adapter	N/A Custom	879482-B21
HPE 840QSFP IB EDR/EN 100Gb 1p ConnectX-4 Adapter	MCX455A-ECAT	825110-B21
HPE 840QSFP IB EDR/EN 100Gb 2p ConnectX-4 Adapter	MCX456A-ECAT	825111-B21
HPE SGI 100Gb 1p ConnectX-4 HCA Mezz	N/A-Custom	Q1U89A
HPE SGI 100Gb 2p ConnectX-4 HCA Mezz	N/A-Custom	Q1U90A
HPE SGI 100Gb 2p Dual IC ConnectX-4 HCA Mezz	N/A-Custom	Q1U91A
HPE SGI 100Gb 2p ConnectX-5 HCA Mezz	N/A-Custom	Q7G90A
HPE SGI 100Gb 2p Dual IC ConnectX-5 HCA Mezz	N/A-Custom	Q7G91A

#### HDR InfiniBand Switches

*Mellanox IB HDR 40P Managed Switch*	MQM8700-HS2F	P06249-B21
*Mellanox IB HDR 40P Switch*	MQM8790-HS2F	P10774-B21
*HPE Apollo IB HDR Std Switch*	N/A-Custom	P10826-001
*HPE SGI 8600 InfiniBand HDR 40-port Standard Switch Blade*	N/A-Custom	P06991-001

#### EDR InfiniBand Switches

HPE Apollo InfiniBand EDR 36-port Unmanaged Switch	N/A-Custom	843407-B21
Mellanox IB EDR v2 36p Unmanaged Switch	MSB7890-ES2F	834976-B22
Mellanox IB EDR v2 36P Unmanaged RAF Switch	MSB7890-ES2R	834977-B22
Mellanox IB EDR v2 36p Managed Switch	MSB7800-ES2F	834978-B22
Mellanox IB EDR v2 36P Managed RAF Switch	MSB7800-ES2R	834979-B22
Mellanox IB EDR 648p Switch Chassis N+N PS	MCS7500	843188-B21
Mellanox IB EDR 324p Switch Chassis N+N PS	MCS7510	843189-B21
Mellanox IB EDR 216p Switch Chassis N+N PS	MCS7520	843190-B21
Mellanox IB Leaf Board 36p Switch IB-2	MSB7560-E	843193-B21
Mellanox IB Spine Board 36p Switch IB-2	MSB7570-E	843192-B21
X86 dual core Chassis Management Board	MMB7500	843191-B21

#### Software

UFM Advanced 1yr 24x7 Flex License	N/A-Custom	BD571A
UFM Advanced 3yr 24x7 Flex License	N/A-Custom	BD572A

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For Mellanox OEM Cables and Transceivers available through HPE please visit [www.Mellanox.com/oem/hpe](http://www.Mellanox.com/oem/hpe)

\*HDR InfiniBand Product not yet launched\*

