

Description of the component/accessory/option	Vendor Name	Supplier reference and Part Number		Revision Firmware Stepping
		model number	part number	
TE Socket LGA3647-0 (MB support power consumption up to 205w)		Base Frequency	Code Name	Stepping level
Intel Xeon Platinum 8160 CPU @2.10GHz 150w	Intel	2.10GHz	Skylake-Server	H-0
QMS6 Intel Xeon® Gold 6130 CPU@2.10GHz 125w	Intel	2.10GHz	Skylake-Server	H-0
QN7D Intel(R) Xeon(R) Gold 6144 CPU @ 3.50GHZ 150w	Intel	3.50GHZ	Skylake-Server	H-0
QRG6 Intel(R) Xeon(R) Silver 4214 CPU @ 2.20GHZ 85w	Intel	2.20GHZ	Cascade Lake	L-0
QRAD Intel(R) Xeon(R) Gold 6230 CPU @ 2.10GHZ 125w	Intel	2.10GHZ	Cascade Lake	B-0
QPJF Intel(R) Xeon(R) Silver 4210 CPU @ 2.20GHZ 85w	Intel	2.20GHZ	Cascade Lake	R-0
QRGH Intel(R) Xeon(R) Gold 5220 CPU @ 2.20GHZ 125w	Intel	2.20GHZ	Cascade Lake	L-0
QRGE Intel(R) Xeon(R) Gold 5218 CPU @ 2.30GHZ 125w	Intel	2.30GHZ	Cascade Lake	L-0
QRG9 Intel(R) Xeon(R) Gold 5215 CPU @ 2.50GHZ 85w	Intel	2.50GHZ	Cascade Lake	L-0
QS1V Intel(R) Xeon(R) Gold 6226 CPU @ 2.70GHZ 125w	Intel	2.70GHZ	Cascade Lake	B-1
QS1Y Intel(R) Xeon(R) Gold 6230T CPU @ 2.10GHZ 125w	Intel	2.10GHZ	Cascade Lake	B-1
QRC1 Intel(R) Xeon(R) Platinum 8260C CPU @ 2.40GHZ 165w	Intel	2.40GHZ	Cascade Lake	B-0
QRKZ Intel(R) Xeon(R) Platinum 8280M CPU @ 2.70GHZ 205w	Intel	2.70GHZ	Cascade Lake	B-0
SRGZG Intel(R) Xeon(R) Processor 6248R CPU @ 3.00GHZ 205w	Intel	3.00GHZ	Cascade Lake	B-1
SRGZF Intel(R) Xeon(R) Processor 6258R CPU @ 2.70GHZ 205w	Intel	2.70GHZ	Cascade Lake	B-1

Register Memory		Model Name	P/N	Remark
16G DDR4 2400 R-DIMM	ADATA	16GB DDR-2400 RDIMM	AD4R2400316G17-BSSB	
	Kingston	16GB 1Rx4 PC4-2400T-RC1-11	KVR24R17S4/16MA	
16G DDR4 2666 R-DIMM	Crucial	16GB DDR4-2666 RDIMM 1.2V CL19	CT16G4RFD8266-2G6E1.001	MTA18ASF2G72PDZ-26E1QG
	InnoDisk	16GB DDR4-2666 RDIMM	M4R0-AGS3ECIK-E84	
	Micron	16GB 2Rx8 PC4 2666V	MTA18ASF2G72DZ-2G6E1S1	
32G DDR4 2666 R-DIMM	Crucial	32GB DDR4-2666 RDIMM 1.2V CL19	CT32G4RFD4266-2G6E1.001	MTA36ASF4G72PZ-2G6E1RK
	Crucial	32GB DDR4-2666 RDIMM 1.2V CL19	CT32G4RFD4266-2G6H1.001	MTA36ASF4G72PZ-2G6H1QI
	Kingston	32GB DDR4-2666 RDIMM 1.2V	KSM26RD4/32HAI	Memory Speed : 2666MHz
	Crucial	32GB DDR4-2666 RDIMM 1.2V CL19	CT32G4RFD4266-2G6E1.001	MTA36ASF4G72PZ-2G6E1RG
	Samsung	32GB DDR4-2666 RDIMM	M393A4K40CB2-CTD7Q M	Memory Speed : 2666MHz
16G DDR4 2933 DIMM	Crucial	16GB DDR4-2933 RDIMM 1.2V CL21	CT16G4RFD8293-2G9E1.001	
	Kingston	16GB DDR4-2933 RDIMM 1.2V	KSM29RS4/16MEI	Memory Speed : 2933MHz
32G DDR4 2933 R-DIMM	Crucial	32GB DDR4-2933 RDIMM 1.2V CL21	CT32G4RFD4293-2G9E2.001	MTA36ASF4G72PZ-2G9E2UG
	Micron	32GB 2Rx4 PC4 2933Y	MTA36ASF4G72PZ-2G9J3TI	
	Micron	32GB 2Rx8 PC4 2933Y	MTA18ASF4G72PDZ-2G9E1UI	
	SKhynix	32GB 2Rx4 PC4-2933Y	HMA84GR7CJR4N-WM-T4-AD	
	Kingston	32GB 2Rx4 PC4-2933Y-RB2-12	KSM29RD4/32MEI	Memory Speed : 2933MHz

LRDIMM Memory		Model Name	P/N	Remark
64G DDR4 2400 LR-DIMM	Samsung	64GB DDR4-2400 LRDIMM	M386A8K40BM1-CRC4Q M	Memory Speed : 2400MHz
64G DDR4 2666 LR-DIMM	SKhynix	64GB 4DRx4 PC4-2666V	HMAA8GL7CPR4N	
	Kingston	64GB DDR4-2666 LRDIMM 1.2V	KSM26LQ4/64HCI	
	Kingston	64GB DDR4-2666 LRDIMM 1.2V	KSM26LQ4/64HAI	Memory Speed : 2666MHz

NVDIMM		NVDIMM	P/N	SUPERCAP
8G DDR4 2666 NVDIMM	Netlist	8GB 1Rx4 NN4-2666V-RZZZ-10	NV4884SET31-422NL0002	UPMU 340F(1) 22"(1)NV4 P UC220-8-7
16G DDR4 2666 NVDIMM	Micron	16GB 1RX4 NN4-2666V-RZZZ-10	MTA18ASF2G72PF1Z-2G6V21ABSGD	AGIGA TECH Power GEM AGIGA9811001JCB
	Netlist	16GB 1Rx4 NN4-2666V-RZZZ-10	NV4A84SBT31-411NL0002	UPMU 340F(1) 22"(1)NV4 P UC220-8-7
	Smart	SafeStor 16GB 1RX4 NN4-2666V-RXXX10	SH2047NJ420493SB	ENES17310401 SSC20041SMT0051B
	Viking	16GB 1Rx4 PC4-2666-RZZ-19	VRA9MRAB2K32PN4E	VRNH090FH61C1N
	Viking	16GB 1Rx4 PC4-2666-RZZ-19/E8.06.04	VRA9MRAB2K32PN4D	Power Responder 4.0V 160F
32G DDR4 2933 NVDIMM	Micron	32GB 2DRx4 NN4 2933Y	MTA36ASS4G72PF1Z-2G9PR1ABVGD	

Intel DCPMM		Model Number	P/N	Remark
128G			NMA1XDB256GQS	
512G			NMA1XDB512GQS	

SATA M.2 SSD		Model Number	P/N	Type
<= 500GB				
Phison M.2 2280 256GB PS3110SSD	Phison	SM8256GPTCB3B-S10C-12		
Phison M.2 2280 128GB PS5008 SSD	Phison	ESO128GTLC9-E8C-2		
Smart SVM2P4A240GMT51 M.2 2242	Smart	SVM2P4A240GMT51	M.2 2242 PCIE GEN 3 x 2	
Smart SVM2P4A480GMT51 M.2 2242	Smart	SVM2P4A480GMT51	M.2 2242 PCIE GEN 3 x 2	
Smart SVM2S46256GNT51 M.2 2242	Smart	SVM2S46256GNT51	M.2 2242 SATA	
Smart SVM2S46512GNT51 M.2 2242	Smart	SVM2S46512GNT51	M.2 2242 SATA	
Phison M.2 128GB SM8128GPYCJGBAIC-S112	Phison	SM8128GPYCJGBAIC-S112	SATA 3.2, 6.0 Gb/s	
Phison M.2 256GB SM8256GPYCJGBAIC-S112	Phison	SM8256GPYCJGBAIC-S112	SATA 3.2, 6.0 Gb/s	
Phison M.2 512GB SM8512GPYCJGBAIC-S114	Phison	SM8512GPYCJGBAIC-S114	SATA 3.2, 6.0 Gb/s	
Ventura M.2 512GB V512GB2280	Ventura	V512GB2280 512GB	SATA 3.0, 6.0 Gb/s	

PCIe M.2 SSD		Model Number	P/N	Remark
<= 500GB				
acpi M.2 M2PDD-8L 512GB	acpi	M2PDD-8L 512GB	512GB M.2 2280 PCIe Gen.3 x4	
XPG M.2 AGAMMIXS50-1TT-C 1TB 2280	XPG	AGAMMIXS50-1TT-C 1TB	XPG GAMMIX S50 PCIe Gen4x4 M.2 2280	Performance is limited by M.2 slot PCIe lane width
Apacer AS2280Q4 M.2 PCIe 500GB	Apacer	AS2280Q4 M.2 PCIe Gen4 x4 500GB	AP500GAS2280Q4	Performance is limited by M.2 slot PCIe lane width
Samsung M.2 MZVLB512HBJQ-00000 512GB	Samsung	PCIe Gen3 x4 M.2 512GB	MZVLB512HBJQ-00000	Performance is limited by M.2 slot PCIe lane width

NIC CARDS (see motherboard section for LOM)		Model Name	P/N	Remark
Intel Ethernet Network Adapter XXV710 (25G SFP+)	Intel			Test with 25GB SFP+ cable
Intel Ethernet Server Adapter X520-DA2 (10G SFP+)	Intel			Test with 10GB SFP+ cable
Intel Ethernet Server Adapter XL710-QDA2 (40G SFP+)	Intel			Test with 40GB SFP+ cable
Intel Ethernet OCP E810XXVDA2OCPG1	Intel	E810XXVDA2OCPG1		Columbiaville 25 (OCP 2 Type 1)
Intel Ethernet E810XXVDA4G1P5	Intel	E810XXVDA4G1P5		Columbiaville 25 (PCIe FH)
Intel Ethernet E810CQDA2G1P5	Intel	Dual Port 100 Gb/s Network Interface Card	E810CQDA2G1P5	Columbiaville 100 (PCIe)
Intel Ethernet E810-CQDA2	Intel	Dual Port 100 Gb/s Network Interface Card	E810-CQDA2	
Broadcom BCM957412A4120AC Network Interface Card (10G SPF+)	Broadcom			Test with 10GB SFP+ cable
Broadcom BCM957412M4123C OCP Mezzanine Card (10G SPF+)	Broadcom		BCM957412M4123	Test with 10GB SFP+ cable
Broadcom BCM957414M4142C OCP Mezzanine Card (25G SPF+)	Broadcom			Test with 25GB SFP+ cable
Broadcom BCM957412M4122C-M125P	Broadcom	1x25G OCP 2.0	BCM957412M4122C-M125P	
Broadcom BCM57416B1KFSBG	Broadcom	OCP V2.0 10GBase-T (RJ45) dual port	BCM57416B1KFSBG	
Broadcom BCM957302M3020	Broadcom	OCP V2.0 10G SFP+ dual port	BCM957302M3020	
Broadcom BCM957412A4120AC_04	Broadcom	PCIe standard slot 10G SFP+ dual port	BCM957412A4120AC_04	
Broadcom BCM95720A2003G	Broadcom	PCIe standard slot 1GbE dual port	BCM95720A2003G	
Broadcom BCM957508-P2100G	Broadcom	BCM957508-P2100G Dual Port 100Gbs	BCM957508-P2100G	
Intel I350-T4V2	Intel	Intel Ethernet Server Adapter	I350T4G2P20	
Qlogic Intelligent Ethernet Adapters 25G dual port (PCIe X8 Gen3)	QLOGIC	QL45212HLCU-CK(Dual25G)	BC0110405-07F	
Qlogic Intelligent Ethernet Adapter 100G single port (PCIe X16 Gen3)	QLOGIC	QL45611HLCU-CK(Single100G)	BC0110401-05 F	

NIC CARDS (see motherboard section for LOM)		Model Name	P/N	Remark
Qlogic Intelligent Ethernet Adapter 25G dual port (OCP X8 Gen3)	QLOGIC	QL41232HOCU(Dual25G)	AH2010407-11 A	Only compatible with OCP slot-B
Qlogic Intelligent Ethernet Adapters 25G dual port (PCIE X8 Gen3)	QLOGIC	QL41212HLCU-CK(Dual25G)	AH2010406-01 A	
Intel Ethernet X550T1G1P5	Intel	X550T1G1P5		
Mellanox Dual port 25 Gb/s Network Interface Card for OCP	Mellanox	MCX4421A_ACQN		
Broadcom BCM957412M4122C-M125P	Broadcom	1x25G OCP 2.0		
Mellanox MCX516A-CDAT	Mellanox	MCX516A-CDAT Dual Port 100Gbs	MT1838J01986	
Mellanox MCX4121A-XCAT	Mellanox	MCX4121A-XCAT Dua Port 10 Gb	MT1708X01740	
Mellanox ConnectX-4 Lx EN Network Interface Card 25GbE Dual-Port	Mellanox	MCX4121A-ACAT		

Supported OSs			Kernel version	
Windows Server 2012 DataCenter (onboard SATA AHCI mode x64)				
Windows 10 Enterprise (onboard SATA AHCI mode x64)				
Windows Server 2016 Datacenter (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.3 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.2 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA AHCI mode x64)				
CentOS 7.3 (onboard SATA AHCI mode x64)				
CentOS 7.2 (onboard SATA AHCI mode x64)				
CentOS 7.1 (onboard SATA AHCI mode x64)				
SuSE Linux Enterprise Server 12 (onboard SATA AHCI mode x64)				
SuSE Linux Enterprise Server 11 SP3 (onboard SATA AHCI mode x64)				
Ubuntu Server 16.04 (onboard SATA AHCI mode x64)				
CentOS 8.2 (64 bit) Linux version 4.18.0-193.el8.x86_64				
Ubuntu Desktop 20.04.1				
Ubuntu Server20.04.1				

Supported UEFI OSs				
Windows Server 2012 DataCenter (onboard SATA AHCI mode x64)				
Windows 10 Enterprise (onboard SATA AHCI mode x64)				
Windows Server 2016 Datacenter (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.3 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.2 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA AHCI mode x64)				
CentOS 8.2 (64 bit) Linux version 4.18.0-193.el8.x86_64				
Ubuntu Desktop 20.04.1				
Ubuntu Server20.04.1				