

Description of the component/accessory/option	Vendor Name	Supplier reference and Part Number		Revision Firmware Stepping
		model number	part number	
<b>Socket-P LGA3647 (MB support power up to 165w)</b>		<b>Base Frequency</b>	<b>Code Name</b>	<b>Stepping level</b>
QMRX Intel(R) Xeon(R) Gold 6136 CPU @ 2.40GHZ 150w	Intel	2.40GHZ	Skylake-Server	H-0
QN7D Intel(R) Xeon(R) Gold 6144 CPU @ 3.50GHZ 150w	Intel	3.50GHZ	Skylake-Server	H-0
QN33 Intel(R) Xeon(R) Gold 6132 CPU @ 2.60GHZ 140w	Intel	2.60GHZ	Skylake-Server	H-0
QN34 Intel(R) Xeon(R) Gold 6128 CPU @ 3.40GHZ 115w	Intel	3.40GHZ	Skylake-Server	H-0
QMS6 Intel(R) Xeon(R) Gold 6130 CPU @ 2.10GHZ 125w	Intel	2.10GHZ	Skylake-Server	H-0
QN38 Intel(R) Xeon(R) Gold 6130T CPU @ 2.10GHZ 125w	Intel	2.10GHZ	Skylake-Server	H-0
QN7C Intel(R) Xeon(R) Gold 6146 CPU @ 3.20GHZ 165w	Intel	3.20GHZ	Skylake-Server	H-0
QN7C Intel(R) Xeon(R) Gold 6126T CPU @ 2.60GHZ 125w	Intel	2.60GHZ	Skylake-Server	H-0
QN0B Intel(R) Xeon(R) Silver 4114 CPU @ 2.20GHZ 85w	Intel	2.20GHZ	Skylake-Server	U-0
QN11 Intel(R) Xeon(R) Gold 5119T CPU @ 1.90GHZ 85w	Intel	1.90GHZ	Skylake-Server	M-0
QPKB Intel(R) Xeon(R) Gold 6248 CPU @ 2.50GHZ 150w	Intel	2.50GHZ	Cascade Lake	A-0
SR3B4 Intel(R) Xeon(R) Gold 6152 CPU @ 2.10GHZ 140w	Intel	2.10GHZ	Skylake-Server	H-0
SR3B5 Intel(R) Xeon(R) Gold 6138 CPU @ 2.00GHZ 125w	Intel	2.00GHZ	Skylake-Server	H-0
QPKA Intel(R) Xeon(R) Gold 5220 CPU @ 2.20GHZ 125w	Intel	2.20GHZ	Cascade Lake	A-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
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
QRC1 Intel(R) Xeon(R) Platinum 8260C CPU @ 2.40GHZ 165w	Intel	2.40GHZ	Cascade Lake	B-0
QS1Y Intel(R) Xeon(R) Gold 6230T CPU @ 2.10GHZ 125w	Intel	2.10GHZ	Cascade Lake	B-1
SRGZ8 Intel(R) Xeon(R) Gold 6240R CPU @ 2.40GHZ 165w	Intel	2.40GHZ	Cascade Lake	B-1
SRGZ9 Intel(R) Xeon(R) Gold 6238R CPU @ 2.2GHZ 165w	Intel	2.20GHZ	Cascade Lake	B-1
QSL2 Intel® Xeon® Bronze 3206R CPU @ 1.90GHZ 85w	Intel	1.90GHZ	Cascade Lake	R-1
QSKW Intel® Xeon® Gold 5215R CPU @ 2.70GHZ 100w	Intel	2.70GHZ	Cascade Lake	L-1
SRGZ7 Intel® Xeon® Gold 5218R CPU @ 2.10GHZ 125w	Intel	2.10GHZ	Cascade Lake	B-1

Register Memory		Model Name	P/N	Remark
8G DDR4 2400 R-DIMM	Kingston	8GB DDR4-2400 RDIMM	KSM24RS8/8MEI	
16G DDR4 2400 R-DIMM	ADATA	16GB DDR-2400 RDIMM	AD4R2400316G17-BSSB	
32G DDR4 2400 R-DIMM	Kingston	32GB DDR4-2400 RDIMM 1.2V	KVR24R17D4/32MA	Memory Speed : 2400MHz
16G DDR4 2666 R-DIMM	Crucial	16GB DDR4-2666 RDIMM 1.2V CL19	CT16G4RFD8266-2G6E1.001	
	InnoDisk	16GB DDR4-2666 RDIMM	M4R0-AGS3ECIK-E84	
	Kingston	16GB DDR4-2666 RDIMM	KSM26RS416MEI	
	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
32G DDR4 2666 R-DIMM	InnoDisk	32GB DDR4-2666 RDIMM	M4RI-BGS3GC0K-C	
	SKhynix	32GB 2Rx4 PC4-2666V	HMA84GR7CJR4N-VK-T3-AD	
	Crucial	32GB DDR4-2666 RDIMM 1.2V CL19	CT32G4RFD4266-2G6E1.001	MTA36ASF4G72PZ-2G6E1RG
16G DDR4 2933 R-DIMM	Crucial	16GB DDR4-2933 RDIMM 1.2V CL21	CT16G4RFD8293-2G9E1.001	
	Kingston	16GB DDR4-2933 RDIMM 1.2V	KSM29RS4/16MEI	Memory Speed : 2933MHz
	Samsung	DDR4 2933 16GB RDIMM	M393A2K40DB2	
32G DDR4 2933 R-DIMM	Crucial	32GB DDR4-2933 RDIMM 1.2V CL21	CT32G4RFD4293-2G9E2.001	MTA36ASF4G72PZ-2G9E2UG
	Micron	32GB 2Rx8 PC4 2933Y	MTA18ASF4G72PDZ-2G9E1UI	
	Micron	32GB 2Rx4 PC4 2933Y	MTA36ASF4G72PZ-2G9J3TI	
	Kingston	32GB 2Rx4 PC4-2933Y-RB2-12	KSM29RD4/32MEI	Memory Speed : 2933MHz
	SKhynix	32GB 2Rx4 PC4-2933Y	HMA84GR7CJR4N-WM-T4-AD	

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	Kingston	64GB DDR4-2666 LRDIMM 1.2V	KSM26LQ4/64HCI	Memory Speed : 2666MHz
	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
	SMART	16GB 1RX4 NN4-2666V-RZZZ-11	DNOE192505 SafeStor ST2047NJ420493SCL2	ENES162309 01 SSC20041SMT0051B
32G DDR4 2933 NVDIMM	Micron	32GB 2DRx4 NN4 2933Y	MTA36ASS4G72PF1Z-2G9PR1ABVGD	

Intel DCPMM		Model Number	P/N	Remark
128G			NMA1XDB128GQS	
256G			NMA1XDB256GQS	
512G			NMA1XDB512GQS	

USB 3.0 HDD		Model Number	P/N	SATA/SSD
<b>160~ 3TB</b>				
BUFFLO MiniStation USB3.0 1.0TB	Bufflo	HD-PCT1TU3/BW-AP	BUFFALO HD-PCTU3 1TB (USB)	SATA

SATA 3.5" HDD		Model Number	P/N	Type
<b>251 ~ 500GB</b>				
500GB, 7200 rpm, SATA-II 3.5"	Seagate	HDS725050KLA360	0A31004	
400GB, 7200 rpm, SATA-II 3.5"	WD	Caviar® SE16	WD4000AAKS	Caviar® SE16
<b>1TB ~ 4TB</b>				
4TB, 7200 rpm, SATA-III 3.5	Seagate	ST4000NM0033	Consellation® ES.3 9ZM170-003 Z1Z26LFL	
3.5"/1TB/SATA III	WD	WD1001FYYG-01SL3W1	NA	
1TB, 7200 rpm, SATA-III 3.5	Seagate	ST1000NM0033	9ZM173-003	Consellation® ES.3

SATA 2.5" HDD		Model Number	P/N	Type
<b>&lt;= 500GB</b>				
500GB,7200 rpm,SATA-II 2.5"	Seagate	ST9500620NS	9RZ164-004	

NIC CARDS (see motherboard section for LOM)		Model Name	P/N	Remark
Intel Ethernet Server Adapter X520-DA2 (10G SFP+)	Intel			Test with 10GB SFP+ cable
Intel Ethernet Server Adapter XXV710-DA1 (25G SFP+)	Intel			Test with 25GB SFP+ cable
MM#948661_XXV710-DA2 (25G SFP+)	Intel	MM#948661_XXV710-DA2	Intel® Ethernet Network Adapter XXV710	Test with 25GB SFP+ cable
Intel Ethernet OCP E810XXVDA2OCPG1	Intel	E810XXVDA2OCPG1		Columbiaville 25 (OCP 2 Type 1)
Intel Ethernet E810XXVDA4G1P5	Intel	E810XXVDA4G1P5		Columbiaville 25 (PCIe FH)
Qlogic Intelligent Ethernet Adapters 25G dual port (PCIe X8 Gen3)	QLOGIC	Qlogic FastLinQ QL45212H 25GbE Adapter	QL45212HLCU_25G dual port	
Qlogic Intelligent Ethernet Adapter 100G single port (PCIe X16 Gen3)	QLOGIC	Qlogic FastLinQ QL45611H 100GbE Adapter	QL45611HLCU_100G single port	
Qlogic Intelligent Ethernet Adapter 25G dual port (OCP X8 Gen3)	QLOGIC	QL41232HOCU_25G	AH2010407-11 A	Test with 25GB SFP+ cable
Qlogic Intelligent Ethernet Adapters 25G dual port (PCIe X8 Gen3)	QLOGIC	QL41212HLCU-CK(Dual25G)	AH2010406-01 A	
MM#949036_XXV710DA1OCPG1*2pcs for Pavo (25G SFP+)	Intel	Intel® OCP XXV710-1	Intel® Ethernet Controller XXV710 for 25GbE SFP28	
Broadcom BCM57416B1KFSBG	Broadcom	OCP V2.0 10GBase-T (RJ45) dual port	BCM57416B1KFSBG	
Broadcom BCM957302M3020	Broadcom	OCP V2.0 10G SFP+ dual port	BCM957302M3020	
Broadcom BCM957412M4122C-M125P	Broadcom	1x25G OCP 2.0		
Broadcom BCM957412M4123C OCP Mezzanine Card (10G SPF+)	Broadcom		BCM957412M4123	Test with 10GB SFP+ cable

NIC CARDS (see motherboard section for LOM)				
		Model Name	P/N	Remark
Broadcom BCM957414M4142C OCP Mezzanine Card (25G SFP+)	Broadcom			Test with 25GB SFP+ cable
Mellanox MCX4421A_ACQN Dual port 25Gb for OCP	Mellanox			Test with 25GB SFP+ cable
Broadcom BCM957412M4122C-M125P	Broadcom	1x25G OCP 2.0		
Intel ETH NETWORK ADPTR OCP XXV710 DA2 Dual Port 25 Gbs	Intel	Intel OCP XXV710	XXV710DA20CPG2	
Intel ETH NETWORK ADPTR XXV710 DA2 Dual Port 25 Gbs	Intel	Intel XXV710	XXV710DA2GAP5	

Transceiver				
		Model Name	P/N	Remark
ModuleTek Ethernet transceiver	ModuleTek	MT-E10GSFPT		SFP+ 10G to RJ45
ModuleTek Ethernet transceiver	ModuleTek	SFP10-SR-C10		SFP+ 10G to Fiber cable

ODD				
		Model Name	P/N	Remark
LITEON eSAU108-113 4 8X USB EXTERNAL DVD/CD Writer	LITEON	eSAU108-113 4		

USB device				
		Model Name	P/N	Remark
BELKIN Hi-speed USB 2.0 4-Port Lighted Hub	BELKIN		F5U403	
Microsoft Comfort Optical Mouse 3000	Microsoft	1043	X812481-003	
Microsoft Comfort Curve Keyboard 2000	Microsoft	1047	x802645-004	
SanDisk Extreme @ USB 3.0隨身碟 SDCZ80-016G-A75	SanDisk	USB 3.0	16G	
Transcend JetFlash@780	Transcend	USB 3.0	8G	

Supported OSs				
			Kernel version	
Windows Server 2012 DataCenter (onboard SATA AHCI mode x64)				
Windows Server 2019 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.7 (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)				
CentOS 7.7 (onboard SATA AHCI mode x64)				
Xen-SuSE SELS 12 SP3 / VT-d Enabled (onboard SATA AHCI mode x64)				
VMware ESXi Server version 6.5.0 (onboard SATA AHCI mode x64)				

Supported UEFI OSs				
Windows Server 2019 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.7 (onboard SATA AHCI mode x64)				
CentOS 7.7 (onboard SATA AHCI mode x64)				
Xen-SuSE SELS 12 SP3 / VT-d Enabled(onboard SATA AHCI mode x64)				
VMware ESXi Server version 6.5.0 (onboard SATA AHCI mode x64)				