

Description of the component/accessory/option	Vendor Name	Supplier reference and Part Number		Revision Firmware Stepping
		model number	part number	
Processor		Base Frequency	Code Name	Stepping level
Genuine Intel® CPU 0000 @ 2.60GHz (QHJE)	Intel		SKYLAKE	Stepping : Q-0
Genuine Intel® CPU 0000 @ 1.60GHz (QHJQJ)	Intel		SKYLAKE	Stepping : Q-0
Genuine Intel® CPU 0000 @ 2.30GHz (QH73)	Intel		SKYLAKE	Stepping : P-0
Genuine Intel® CPU 0000 @ 2.20GHz (QH8G)	Intel		SKYLAKE	Stepping : P-0
Intel® Xeon® CPU E3-1240L v5 @ 2.10GHz (QJHG)	Intel	2.10GHz	Skylake	Stepping : R-0
Intel® Xeon® CPU E3-1235L v5 @ 2.00GHz (QJGV)	Intel	2.00GHz	Skylake	Stepping : R-0
Intel® Xeon® CPU E3-1220 v5 @ 3.00GHz (QJFX)	Intel	3.00GHz	Skylake	Stepping : R-0
Intel® Xeon® CPU E3-1270 v5 @ 3.60GHz (QJ7A)	Intel	3.60GHz	Skylake	Stepping : R-0
Intel® Xeon® CPU E3-1240 v5 @ 3.50GHz (QJ78)	Intel	3.50GHz	Skylake	Stepping : R-0
Intel® Celeron® CPU G3920 @ 2.90GHz (QJZW)	Intel	2.90GHz	Skylake	Stepping : S-0
Intel® Celeron® CPU G3900T @ 2.60GHz (QJZS)	Intel	2.60GHz	Skylake	Stepping : S-0
Intel® Xeon® CPU E3-1275 v5 SR2CT @ 3.60GHz	Intel	3.60GHz	Skylake	Stepping : R-0
Intel® Core™ i3-6100 CPU @ 3.70GHz	Intel	3.70GHz	Skylake	Stepping : S-0
Genuine Intel® CPU 0000 @ 3.20GHz (QL32)	Intel	Genuine Intel® CPU 0000 @ 3.20GHz (QL32)	Kaby Lake	Stepping : A-0
Intel® Xeon® CPU E3-1285 v6 @ 4.10GHz (QMCD)	Intel	4.10GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1205 v6 @ 3.00GHz (QL31)	Intel	3.00GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1230 v6 @ 3.50GHz (QMC6)	Intel	3.50GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1270 v6 @ 3.80GHz (QMC4)	Intel	3.80GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1280 v6 @ 3.80GHz (QMC3)	Intel	3.90GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1220 v6 @ 3.00GHz (QMC7)	Intel	3.00GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1240 v6 @ 3.70GHz (QMC5)	Intel	3.70GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1275 v6 @ 3.80GHz (SR32A)	Intel	3.80GHz	Kaby Lake	Stepping : B-0
Intel® Xeon® CPU E3-1275 v5 @ 3.60GHz (SR2CT)	Intel	3.60GHz	Skylake	
Intel® Core™ i3-6100 CPU @ 3.70GHz	Intel	3.70GHz	Skylake	Stepping : S-0
Intel® Xeon® CPU E3-1275 v6 @ 3.80GHz (SR32A)	Intel	3.80GHz	Kaby Lake	
Intel® Xeon® CPU E3-1275 v5 @ 3.60GHz (SR2CT)	Intel	3.60GHz	Skylake	
Intel® Core™ i3-7101E CPU @ 3.90GHz	Intel	3.90GHz	Kaby Lake	

Unbuffer Memory- DDR4-1866/2133/2400 UDIMM(ECC/Non-ECC)		model number	part number	
PC4-2133 8GB U-DIMM (ECC)	Samsung	M391A1G43EB1-CPB	2Rx8 PC4-2133P-EE1-11	
	Crucial	CT8G4WFD8213	MTA18ASF1G72AZ-2G1A1ZG	1.2V
	Unigen	8GB ECC-UDIMM DDR4-2133	U10V7200P8DU-ABL-000-00	
	InnoDisk	M4C0-8GSSMCRG	8GB DDR4 2133 W/ECC DIMM	
	Transcend	TS1GLH72V1H	8GB ECC DDR4 PC4-17100U DDR4-2132	Memory DC Line : 1.200V
PC4-2133 8GB U-DIMM (NON-ECC)	InnoDisk	M4U0-8GSSKCRG-E84	Rockwell i-DIMM 8GB PC34100U	
	Kingston	KVR21N15D8/8	8GB PC4-2133 CL15 288 non-ECC UDIMM	
PC4-2133 4GB U-DIMM (ECC)	Crucial	CT4G4WFS8213.9FA1	DDR4-2133 1.2V SRx8 ECC	1.2V
	ATP	A4C04QD8BLPBSE	4GB DDR4-2133 ECC DIMM	
	InnoDisk	M4C0-4GSSLCRG	4GB DDR4-2133 W/ECC DIMM	
	InnoDisk	M4C0-4GSSLCRG-E84	4GB DDR4-2133 ECC DIMM	
	Dataram	DTM68109A	9ASF51272AZ-2G1A1 4GB PC34100U 4GB 1Rx8 PC4-2133P-ED0-10	
Dataram	DTM68109B	4GB 1Rx8 PC4-2133P-ED0-10		

Unbuffer Memory- DDR4-1866/2133/2400 UDIMM(ECC/Non-ECC)		model number	part number	
PC4-2133 4GB U-DIMM (ECC)	Dataram	DTM68109C	4GB 1Rx8 PC4-2133P-ED0-10	ipmitool sdr - Pass
PC4-2133 4GB U-DIMM (NON-ECC)	Kingston	KVR21N15S8/4	4GB PC4-2133 CL15 288 non-ECC UDIMM	
	InnoDisk	M4U0-4GSSJCRG-E84	4G DDR4-2133 DIMM (non-ECC UDIMM)	
PC4-2400 16GB U-DIMM (ECC)	Micron	MTA18ASF2G72AZ-2G3B1ZG	16GB PC4-2400T-EEB-10	
	Transcend	TS2GLH72V4B	16GB DDR4-2400 2Rx8 1.2V	
	Apacer	78.D1GMN.4010B	16GB ECC DDR4 2400 CL17	
	Kingston	KVR24E17D8/16MA	16GB PC4-2400T-EE1-11	
PC4-2400 8GB U-DIMM (ECC)	Micron	MTA18ASF1G72AZ-2G3B1ZI	8GB PC4-2400T-EEB-10	
	Apacer	78.C1GMN.4020B	8GB ECC DDR4 2400 CL17	
	Kingston	KVR24E17S8/8MA	8GB PC4-2400T-ED1-11	
	Kingston	KSM24ES8/8ME	8GB PC4-2400T-ED2-11	
PC4-2400 4GB U-DIMM (ECC)	Apacer	78.B1GMV.4020B	4GB DDR4 2400 CL17	
	DATARAM	DTM68119D	4GB 1RX8 PC4-2400T-E17	
	DATARAM	DTM68119B	4GB 1Rx8 PC4 2400T E17	
PC4-2666 8GB U-DIMM (ECC) Maximum operating speed is 2400 MHz by CPU spec.	ADATA	AD4E266638G19-BSSC	8GB DDR4 2666 8GX9 ECC DIMM	
	Kingston	KSM26ES8/8HD	8GB 1Rx8 PC4-2666V ED2-12	
PC4-2666 16GB U-DIMM (ECC) Maximum operating speed is 2400 MHz by CPU spec.	Micron	CT16G4WFD8266.18FD1	16GB PC4-2666V-EE1-11	
	ADATA	AD4E2666316G19-BSSC	16GB DDR4 2666 16GX18 ECC DIMM	
	Kingston	KSM26ED8 16HD	16GB 2Rx8 PC4-2666V-EE1-12	

USB 3.0 HDD				
160- 3TB				
BUFFLO MiniStation USB3.0 1.0TB	Bufflo	HD-PCT1TU3/BW-AP	BUFFALO HD-PCTU3 1TB (USB)	

SATA 3.5" HDD				
81 - 160GB				
160GB, 7200rpm, SATA 3.5 "	Seagate	Barracuda 7200.10	ST3160815AS	
1TB - 4TB				
1TB, 7200 rpm, SATA-III 3.5	Seagate	ST1000NM0033	Consellation® ES.3	
2TB, 7200 rpm, SATA-III 3.5	HGST	HGST HUS726020ALE611	(2TB, SATA600, 3.5", 7200rpm, SED)	
4TB, 7200 rpm, SATA-III 3.5	Seagate	ST4000NM0033	Consellation® ES.3 9ZM170-003 Z1Z26LFL	
1TB, 7200 rpm, SATA-III 3.5	WD			

SATA 2.5" SSD				
<= 80GB				
Intel 2.5" SATA SSDSA2CW080G3 320 Series 80GB	INTEL	CVPR211003XZ080BGN	SSDSA2CW080G3	

SATA M.2 SSD		Model Number	P/N	Type
<= 500GB				
Unigen(TOSHIBA) 1533-128G M.2 2242 SATA3 SSD	Unigen	UBM2TPS128HZM3-FTF	(128GB, SATA3, M.2, SSD)	
Unigen 128GB M.2 2242 SATA SSD	Unigen	UBM3MAC128HCM1-FTG-UGN	(128GB, SATA600, SSD)	
NETLIST SSD128GB-002 (128GB, SATA600, M.2, SSD)	Netlist	SSD128GB-002, M.2 2242	(128GB, SATA600, M.2, SSD)	
Innodisk M.2 (S80) 3ME3 64GB	Innodisk	DEM24-64GD09SC1DC-E84	64GB SATA M.2 2242 MLC (B+M Key)	
Innodisk M.2 (S42) 3ME4 8GB	Innodisk		DEM24-08GM41BC1SC-E84	(8GB, SATA3.0 ,M.2 ,SSD)
Apacer SM220 M242 M.2 16GB SSD	Apacer	APM2T42SM22016GTN-4ETM	81.5A DG2.A T4E1BT	(16GB, SATA3.0 ,M.2 ,SSD)
Smart SVM2P4A240GMT51 M.2 2242	Smart	SVM2P4A240GMT51	M.2 2242 PCIE GEN 3 x 2	

SATA M.2 SSD		Model Number	P/N	Type
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	
Transcend TS64GMTS552T 64GB	Transcend	TS64GMTS552T	M.2 2242 SSD	SATA3 B+M Key, 3D TLC, PE: 3K
Transcend TS128GMTE452T 128GB	Transcend	TS128GMTE452T	M.2 2242 SSD	PCIe Gen3x2, B+M Key, 3D TLC, PE: 3K
Transcend TS256GMTS552T 256GB	Transcend	TS256GMTS552T	M.2 2242 SSD	

USB device				
BELKIN Hi-speed USB 2.0 4-Port Lighted Hub	BELKIN		F5U403	
LITEON eSAU108-113 4 8X USB EXTERNAL DVD/CD Writer	LITEON	eSAU108-113 4		
Kingston DataTraveler Ultimate 3.0 16GB USB3.0 Drive	Kingston	DT Ultimate G2	DTU30G2/16GB	
Kingston DataTraveler 2GB USB2.0 Drive	Kingston		DTI/2GBFE	
ADATA S102 8GB USB 3.0 Drive	Transcend		TS4GJFV30	
SanDisk Extreme 16GB USB 3.0 Drive	SanDisk			

Supported OSs				
Windows Server 2012 R2 standard (onboard SATA AHCI mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA AHCI mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA-Raid0 mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA-Raid1 mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA-Raid5 mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA-Raid10 mode x64)				
Windows 10 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 8.4 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 8.4 (onboard SATA-Raid0 mode x64)				
Red Hat Enterprise Linux 8.4 (onboard SATA-Raid1 mode x64)				
Red Hat Enterprise Linux 7.4 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.4 (onboard SATA-Raid0 mode x64)				
Red Hat Enterprise Linux 7.4 (onboard SATA-Raid1 mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA-Raid0 mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA-Raid1 mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA-Raid5 mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA-Raid10 mode x64)				
CentOS Linux 6.6 (onboard SATA AHCI mode x64)				
CentOS Linux 7.0 (onboard SATA AHCI mode x64)				
VMWare ESXi 6.0.0 update 1 (onboard SATA AHCI mode x64)				
Ubuntu Server 12.04.2 (onboard SATA AHCI mode x64)				

Supported UEFI OSs				
Windows Server 2012 R2 standard (onboard SATA AHCI mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 8.4 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 8.4 (onboard SATA-Raid0 mode x64)				

Supported UEFI OSs				
Red Hat Enterprise Linux 8.4 (onboard SATA-Raid1 mode x64)				
Red Hat Enterprise Linux 7.4 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.4 (onboard SATA-Raid0 mode x64)				
Red Hat Enterprise Linux 7.4 (onboard SATA-Raid1 mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.0 (onboard SATA AHCI mode x64)				