

Description of the component/accessory/option	Vendor Name	Supplier reference and Part Number		Revision
		model number	part number	Firmware Stepping
<b>FC LGA2011-3 Processor</b>		<b>Stepping level</b>	<b>P/N</b>	<b>FW</b>
Haswell-EP Genuine Intel® CPU @ 2.20GHz (QEY6)	Intel	B-0	Haswell-EP	(14C 5.0GHz, 100GHz, 35MB)
Haswell-EP Genuine Intel® CPU @ 2.9GHz (QEYA)	Intel	B-0	Haswell-EP	(8C, 3.2GHz, 35MB, 100MHz)
Intel® Xeon® CPU E5-2695 v3 @ 2.30GHz (QG7R)	Intel	C-0	Haswell-EP	(14C 28T 2.3GHz, 14x 256kB L2, 35MB L3)
Intel® Xeon® CPU E5-2695 v3 @ 2.30GHz (QGN4)	Intel	C-1	Haswell-EP	
Intel® Xeon® CPU E5-2698 v3 @ 3.60GHz (QGN2)	Intel	C-1	Haswell-EP	
Intel® Xeon® CPU E5-2699 v3 @ 2.30GHz (QGEP)	Intel	C-0	Haswell-EP	
Intel® Xeon® CPU E5-2687W v3 @ 3.10GHz (QFS7)	Intel	M-0	Haswell-EP	
Intel® Xeon® CPU E5-2640 v3 @ 2.60GHz (QGSF)	Intel	R-2	Haswell-EP	(8C 16T 2.6GHz, 8x 256kB L2, 20MB L3)
Intel® Xeon® CPU E5-1650 v3 @ 3.50GHz (QFST)	Intel	R-2	Haswell-EP	(6C 12T 3.49GHz, 6x 256kB L2, 15MB L3)
Intel® Xeon® CPU E5-2667 v3 @ 3.20GHz (QGSQ)	Intel	R-2	Haswell-EP	(8C 16T 3.2GHz, 8x 256kB L2, 20MB L3)
Intel® Xeon® CPU E5-2609 v3 @ 1.90GHz (QGPN)	Intel	M-1	Haswell-EP	(6C 1.9GHz, 6x 256kB L2, 15MB L3)
Intel® Xeon® CPU E5-2680 v4 @ 2.40GHz (QK92)	Intel	M-0	Broadwell-EP	
Intel® Xeon® CPU E5-2699 v4 @ 2.20GHz (SR2JS)	Intel	B-0	Broadwell-EP	(22C 44T 3.59GHz, 3.6GHz IMC, 22x 256kB L2, 55MB L3)
Intel® Xeon® CPU E5-2667 v4 @ 3.20GHz (QKF0)	Intel	R-0	Broadwell-EP	(8C 16T 3.59GHz, 3.6GHz IMC, 8x 256kB L2, 25MB L3)
<b>Register Memory</b>		<b>Model Name</b>	<b>P/N</b>	<b>Remark</b>
4G DDR4 2133 R-DIMM	InnoDisk	ACT4GJR72N8J2133S	41306, A1306	
	Transcend	TS512MHR72V1H	4GB DDR4 2133 REG-DIMM 1Rx8	
	InnoDisk	ACTICA_ACT4GJR72N8J2133S_4GB DDR4-2133 REG ECC		
	ADATA	ADATA_AD4R2133W4G15-BMIA_DDR4 2133(15) 4GX	AD4R2133W4G15-BMIA	
	Adata	4GB DDR4 2133(15) 4GX9 R-DIMM	AD4R2133W4G15-BHYM	Approved on E5-2600 V4
	Apacer	4GB ECC REG PC4-17000 CL15	78.B1GM0.AF00B	
	InnoDisk	4GB DDR4 2133 REG DIMM	M4R0-4GSSACRG	Memory DC Line : 1.200V
8G DDR4 2133 R-DIMM	Crucial	4GB DDR4 2133 RDIMM 288 PIN ECC	CT4G4RFS8213	Approved on E5-2600 V4
	Transcend	8GB 2Rx8 DDR4 2133 REG	TS1GHR72V1H 8GB PC34100U	
	InnoDisk	8GB DDR4 2133 W/REG DIMM	M4RR-8GSQXC0G-DE84	
	InnoDisk	8GB DDR4 2133 W/REG DIMM	M4RR-8GSQEC0G-D00	
	Smart	8GB 1Rx4 PC4-2133P-RC0-10-DC0	M393A1G40DB0-CPB 8GB PC34100U	
	Micron	MTA18ASF1G72PZ-2G1AVESEG	BZAG76W004	
	Kingston	9965589-001.A00G 8GB PC34100U	KVR21R15S4/8 8GB PC4-2133 CL15 RDIMM	
Kingston	Model : HMA41GR7MFR8N-TF	KVR21R15D8/8 8GB PC4-2133 CL15 RDIMM	Memory DC Line : 1.200V	
16G DDR4 2133 R-DIMM	ATP	8GB DDR4 2133 REG DIMM	A4B08QC4BLPBSO	Memory DC Line : 1.200V
	InnoDisk	16GB DDR4 2133 W/REG DIMM	M4RR-AGSQXC0G-DE84	
	Kingston	Module : Micron 36ASF2G72PZ-2G1A2	KVR21R15D4/16 16GB PC4-2133 CL15	Memory DC Line : 1.200V
	Crucial	16GB DDR4-2133 1.2V 2R*4	CT16G4RFD4213.36FA2, MTA36ASF2G72PZ-2G1A2KK	
32G DDR4 2133 R-DIMM	Transcend	Transcend 16GB DDR4-2133 REG DIMM	TS2GHR72V1Z	Approved on E5-2600 V4
16G DDR4 2400 R-DIMM	Crucial	32G DDR4-2133 RDIMM 1.2	CT32G4RFD4213.36FA1	Approved on E5-2699 V4@2.20GHz
	InnoDisk	16GB DDR4-2400 REG DIMM	M4R0-AGS3ECSJ-E84	Approved on E5-2600 V4
	Transcend	16G DDR4-2400 RDIMM 1Rx4	TS2GHR72V4C	Approved on E5-2600 V4
32G DDR4 2400 R-DIMM	Kingston	16GB 1Rx4 PC4-2400 CL17 RDIMM 1.2v	KVR24R17S4/16MA	Approved on E5-2600 V4
	Crucial	32GB DDR4-2400 RDIMM 1.2V CL1	CT32G4RFD424A.36FB1	Approved on E5-2600 V4
	Crucial	32GB DDR4-2400 LRDIMM 1.2V CL	CT32G4LFD424A.36FB1	Approved on E5-2600 V4
<b>NVDIMM</b>		<b>NVDIMM</b>	<b>P/N</b>	<b>SUPERCAP</b>
8G DDR4 2133 NVDIMM	Micron	Micron NVDIMM : MTA18ASF1G72PF1Z-2G1Y1YAAESIG 8GB 1Rx4 PC4-2133P-RZZ-10		AGIGA9811-001BCA, 02150400000189-05
	Smart	Smart NVDIMM : SH1027NR410451SD 8GB 1RX4 NN4-2133P-RZZ-10		SSC18041SMT0031B
	Viking	Viking NVDIMM : VRA9MR8B2H16 8GB 1Rx4-2133P-RZZ-15		205746531, VRCP100FH30F1
8G DDR4 2400 NVDIMM	Netlist	Netlist NVDIMM : NU4874SDT20-122NL0001 8GB 1RX4 NN4-2400T-RZZ-10		UPMU 340F 19" NU4 PICOLOCK 6P (UC190-8-6 )
<b>USB 3.0 HDD</b>		<b>Model Number</b>	<b>P/N</b>	<b>SATA/SSD</b>
<b>160~ 3TB</b>				
BUFFLO MiniStation USB3.0 1.0TB	Bufflo	HD-PCT1TU3/BW-AP	BUFFALO HD-PCTU3 1TB (USB)	SATA

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SATA 3.5" HDD		Model Number	P/N	Type
<b>81 ~ 160GB</b>				
80GB, 7200rpm, SATA 3.5 "	Seagate	ST380815AS	9CY131-313	
<b>251 ~ 500GB</b>				
320GB, 7200 rpm, SATA-II 3.5 ", NCQ	Seagate	Barracuda 7200.10	ST3320820AS	
<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>				
2TB SATA3 7200	HGST	DK7SAF200		
4TB, 7200 rpm, SATA-III 3.5	Seagate	ST4000NM0033	Consellation® ES.3 9ZM170-003 Z1Z26LFL	
3.5"/1TB/SATA	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	9RZ164-003	
500GB, 5400	Seagate	Momentus 5400.6	ST9500325ASG	
SATADOM		Model Number	P/N	Type
<b>&lt;= 500GB</b>				
SATA DOM - 128GB SATA3 Flash Module 7P Female	Transcend	TS128GSTM360	128GB SATA3 Flash Module 7P Female	
SATA 2.5" SSD		Model Number	P/N	Type
<b>&lt;= 80GB</b>				
SanDisk 2.5" SATA SD6SB1M-064G	SanDisk	X110 Solid State Drive	SD6SB1M-064G	
Intel 2.5" SATA SSDSA2CW080G3 320 Series 80GB	INTEL	CVPR211003XZ080BGN	SSDSA2CW080G3	
NIC CARDS (see motherboard section for LOM)		Model Name	P/N	XXX
INTEL PRO/1000MT Dual port Gigabit Server adapter, PCI-X133	Intel			
INTEL PRO/1000PT Gigabit Server Adapter, PCI-E x1	Intel			
NIC CARDS (see motherboard section for LOM)		Model Name	P/N	XXX
Intel X540T1, PCIe 2.1 (5.0 GT/s)	Intel	Intel® Ethernet Converged Network Adapter X540-T1	3100AA493ADG54042005, 914246	
HBA & Raid		Model Name	S/N, P/N	Device Name
ASA-7805H SGL	Adaptec		3A261331231, 2280800-R	
SAS 9207-8e	LSI	LSI SAS9207-8e Gen3	SV35102815, H3-25427-02H	
Other PCIE Devices		Model Name	P/N	XXX
Intel Phi Coprocessor				
ODD		Model Name	P/N	XXX
LITEON eSAU108-113 4 8X USB EXTERNAL DVD/CD Writer	LITEON	eSAU108-113 4		
SATA DVD/CD-RW (half height)		Model Name	P/N	XXX
Pioneer DVR-212 18X SATA DVDRW	Pioneer	DVR-212		
TEAC DV-W28EC-PUBA USB DVDRW	TEAC	DV-W28EC-PUBA		
FDD		Model Name	P/N	XXX
SATA DVD/CD-RW (half height)				
TEAC FD-05PUW External FDD unit	TEAC	FD-05PUW-261		
USB device		Model Name	P/N	XXX
LITEON eSAU108-113 4 8X USB EXTERNAL DVD/CD Writer	LITEON	eSAU108-113 4		
Microsoft Comfort Optical Mouse 3000	Microsoft	1043	X812481-003	
Microsoft Comfort Curve Keyboard 2000	Microsoft	1047	x802645-004	
Pioneer DVR-X122 USB DVDRW	Pioneer	DVR-X122		
TEAC FD-05PUW-261 2x Speed Portable USB 1.44MB FDD Unit	TEAC	FD-05PUW-261		
Kingston DataTraveler 2GB USB2.0 Drive	Kingston		DTI/2GBFE	
Transcend JetFlash@V30 1GB USB 2.0 Drive	Transcend		TS1GJFV30	
Kingston DataTraveler 2GB USB2.0 Drive	Kingston		DTI/2GBFE	
SONY USB3.0 Drive	Sony			
SANYO CAN-1002R Keyboard	SANYO	CAN-1002R		
Logitech M-UV83 Mouse	Logitech	M-UV83	831093-A000	
Apacer AH354 16G USB3.0 Drive	Apacer		AP16GAH354	

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<b>Supported OSs</b>			<b>Kernel version</b>	
Windows 2008 R2 Enterprise Edition (onboard SATA AHCI mode x64)				
Windows 2008 R2 Datacenter Edition (onboard SATA AHCI mode x64)				
Windows Server 2012 standard (onboard SATA AHCI mode x64)				
Windows Server 2012 DataCenter (onboard SATA IDE mode x64)				
Windows Server 2012 DataCenter (onboard SATA AHCI mode x64)				
Windows Server 2012 DataCenter (onboard SATA-Raid0 mode x64)				
Windows Server 2012 DataCenter (onboard SATA-Raid1 mode x64)				
Windows Server 2012 DataCenter (onboard SATA-Raid5 mode x64)				
Windows Server 2012 DataCenter (onboard SATA-Raid10 mode x64)				
Windows 8.1 Enterprise (onboard SATA AHCI mode x64)				
Windows 8.1 Enterprise (onboard SATA IDE mode x64)				
Windows 10 Enterprise_insider_preview_10074 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 6.4 (onboard SATA IDE mode x64)				
Red Hat Enterprise Linux 6.4 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA IDE mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA-Raid0 mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA-Raid1 mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA-Raid5 mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA-Raid10 mode x64)				
Red Hat Enterprise Linux 7.0 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 7.1 (onboard SATA AHCI mode x64)				
CentOS 6.5 (onboard SATA IDE mode x64)				
CentOS 6.5 (onboard SATA AHCI mode x64)				
SuSE Linux Enterprise Server 11 SP3 (onboard SATA IDE mode x64)			3.0.76-0.11	
SuSE Linux Enterprise Server 11 SP3 (onboard SATA AHCI mode x64)			3.0.76-0.11	
Fedora 20 (onboard SATA IDE mode x64)				
Fedora 20 (onboard SATA AHCI mode x64)				
<b>Supported UEFI OSs</b>				
Windows Server 2012 R2 standard (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 AHCI mode x64)				
Windows Server 2012 R2 standard (onboard SATA IDE mode x64)				
Windows Server 2012 R2 DataCenter (onboard SATA IDE mode x64)				
Red Hat Enterprise Linux 6.4 (onboard SATA AHCI mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA IDE mode x64)				
Red Hat Enterprise Linux 6.5 (onboard SATA AHCI mode x64)				
CentOS 6.5 (onboard SATA IDE mode x64)				
CentOS 6.5 (onboard SATA AHCI mode x64)				
CentOS 6.6 (onboard SATA-Raid0 mode x64)				
CentOS 6.6 (onboard SATA-Raid1 mode x64)				
CentOS 6.6 (onboard SATA-Raid5 mode x64)				
CentOS 6.6 (onboard SATA-Raid10 mode x64)				
CentOS 6.7 (onboard SATA-Raid0 mode x64)				
CentOS 6.7 (onboard SATA-Raid1 mode x64)				
CentOS 6.7 (onboard SATA-Raid5 mode x64)				
CentOS 6.7 (onboard SATA-Raid10 mode x64)				
CentOS 7.1 (onboard SATA-Raid0 mode x64)				
CentOS 7.1 (onboard SATA-Raid1 mode x64)				
CentOS 7.1 (onboard SATA-Raid5 mode x64)				
CentOS 7.1 (onboard SATA-Raid10 mode x64)				
CentOS 7.2 (onboard SATA-Raid0 mode x64)				
CentOS 7.2 (onboard SATA-Raid1 mode x64)				
CentOS 7.2 (onboard SATA-Raid5 mode x64)				