



# **Intel® On-site Repair for Servers**

## **Hardware Compatibility List**

**Revision 2.3**

**October 2012**

**Enterprise Platforms and Services Division**

## ***Revision History***

<b>Date</b>	<b>Revision #</b>	<b>Modifications</b>
June 2011	1.0	Initial Release
March 2012	2.0	Added Hard Drives and Memory
May 2012	2.1	Added Hard Drives and Memory
August 2012	2.2	Added Hard Drives and Memory
October 2012	2.3	Added Hard Drives and Memory

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# 1. Introduction

This document is intended to provide resellers and end-users of the Intel® On-site Repair for Servers with a guide to the compatible hardware that can be registered for the service.

This document will be updated as new processors, memory or hard drives are tested and as new Intel® Server Systems are available. Each new release of the document will provide updated information as well as the information from previous releases.

In general, this service will replace what the end-customer had installed during service registration with a like or better part.

Contact [EPSD.Service.Coordinator@intel.com](mailto:EPSD.Service.Coordinator@intel.com) for hardware coverage inquiries not shown here.

## 2. Processors

Each Intel® Server System has a supported processor list and the Intel® On-site Repair for Servers service will support the same list. Like memory and hard drives, Intel may choose to replace a given processor with a like or higher-featured processor. For example, if a system has an Intel® Xeon® Processor X5647 installed Intel may choose to replace it with an Intel® Xeon® Processor X5670.

## 3. Hard drives

Each Intel® Server System has a supported hard drive list and the Intel® On-site Repair for Servers service will support a subset of these lists. Like processors and memory, Intel may choose to replace a given hard disk drive with a like or higher-featured/-sized drive. Customers can register product with any size from the drive families below.

Manufacturer	Product Family/Model Name	Model Number	Interface	Drive size
Hitachi*	Ultrastar* A7K2000 (Jupiter K )	HUA722020ALA330	SATA-300	2TB
	Ultrastar 15K600 (Viper C)	HUS156060VLS600	SAS-600	600GB
	Ultrastar C10K600 (Cobra D)	HUC106060CSS600	SAS-600	600GB
	Ultrastar 15K600	HUS156045VLS600	SAS-600	450GB
	Ultrastar 15K600	HUS156030VLS600	SAS-600	300GB
	Ultrastar C10K600	HUC106045CSS600	SAS-600	450GB
	Ultrastar 7K3000	HUA723030ALA640	SATA-600	3TB
	Ultrastar 7K3000	HUA723020ALA640	SATA-600	2TB
	Ultrastar A7K2000	HUA722010CLA330	SATA-300	1TB
	Ultrastar A7K2000	HUA722020ALA331	SATA-300	2TB
	Ultrastar A7K2000	HUA722050CLA330	SATA-300	500GB
	Ultrastar C10K600	HUC106030CSS600	SAS-600	300GB
	Ultrastar SSD400S	HUSSL4010ASS600	SAS-600	100GB
	Ultrastar SSD400S	HUSSL4020ASS600	SAS-600	200GB
	Ultrastar SSD400S	HUSSL4040ASS600	SAS-600	400GB

Intel® <i>Includes all current 320 and X25 series sizes</i>	SSD 240 Series	SSDSC2CW240A310	SATA-600	240GB
	SSD 320 Series	SSDSA2CW600G3B5	SATA-300	600GB
	SSD 320 Series	SSDSA2CW300G3B5	SATA-300	300GB
	SSD 320 Series	SSDSA2CW160G3B5	SATA-300	160GB
	SSD 320 Series	SSDSA2BW120G3	SATA-300	120GB
	SSD 330 Series	SSDSC2CT180A3K5	SATA-600	180GB
	X25-E SATA SSD	SSDSA2SE064G1	SATA-300	64GB
	X25-M SATA SSD	SSDSA2MH160G2	SATA-300	160GB
	X25-V SATA SSD	SSDSA2MP040G2C1	SATA-300	40GB

Micron*	Real SSD 64GB SATA	MTFDDAC064MAG-1G1	SATA-600	64GB
	Real SSD 64GB SATA	MTFDDAC064MAM-1J1	SATA-600	64GB
	Real SSD 128GB SATA	MTFDDAC128MAG-1G1	SATA-600	128GB
	Real SSD 128GB SATA	MTFDDAC128MAM-1J1	SATA-600	128GB
	Real SSD 256GB SATA	MTFDDAC256MAG-1G1	SATA-600	256GB
	Real SSD 256GB SATA	MTFDDAC256MAM-1J1	SATA-600	256GB
	Real SSD 512GB SATA	MTFDDAC512MAM-1J1	SATA-600	512GB
	Real SSD 64GB SATA	MTFDDAC064MAM-1K1	SATA-600	64GB
	Real SSD 128GB SATA	MTFDDAC128MAM-1K1	SATA-600	128GB
	Real SSD 256GB SATA	MTFDDAC256MAM-1K1	SATA-600	256GB
	Real SSD 512GB SATA	MTFDDAC512MAM-1K1	SATA-600	512GB

Seagate*	Constellation* ES	ST32000444SS	SAS-300	2TB
	Constellation ES	ST32000644NS	SATA-300	2TB
	Savvio* 10K	ST9300603SS	SAS-600	300GB
	Savvio 10K.5	ST9900805SS	SAS-600	900GB
	Savvio 15K	ST9146852SS	SAS-600	36GB
	Cheetah* 15K.7	ST3450857SS	SAS-600	450GB
	Cheetah 15K.7	ST3600002SS	SAS-600	600GB
	Cheetah 15K.7	ST3300657SS	SAS-600	300GB
	Cheetah 15K.7	ST3600057SS	SAS-600	600GB
	Constellation.2	ST91000640SS	SAS-600	1TB
	Constellation.2	ST91000640NS	SATA-600	1TB
	Constellation ES.2	ST33000650NS	SATA-600	3TB
	Constellation ES.2	ST3500514NS	SATA-300	500GB
	Constellation ES.2	ST31000524NS	SATA-300	1TB
	Constellation.2	ST9500620SS	SAS-600	500GB
	Constellation.2	ST9250610NS	SATA-600	250GB
	Constellation.2	ST9500620NS	SATA-600	500GB
Constellation ES +	ST2000NM0011	SATA-600	2TB	

Seagate*	Savvio 10K.5	ST9600205SS	SAS-600	600GB
	Constellation ES.2	ST32000645SS	SAS-600	2TB
	Constellation ES.2	ST32000645NS	SATA-600	2TB
	Constellation ES.2	ST33000650SS	SAS-600	3TB
	Savvio 10K.4	ST9450404SS	SAS-600	450GB
	Constellation.2	ST9500430SS	SAS-600	500GB
	Savvio 10K.4	ST9600204SS	SAS-600	600GB
	Constellation ES	ST31000424SS	SAS-600	1TB
	Constellation ES +	ST1000NM0001	SAS-600	1TB
	Constellation ES +	ST2000NM0001	SAS-600	2TB

Toshiba*	AL11Sx	MBE2073RC	SAS-600	73GB
	AL11Sx	MBE2147RC	SAS-600	147GB
	AL12Se	MBF2300RC	SAS-600	300GB
	AL12Se	MBF2450RC	SAS-600	450GB
	MBF2-RC	MBF2600RC	SAS-600	600GB
	MKxx61GSYx	MK1661GSYB	SATA-300	160GB
	MKxx61GSYx	MK2561GSYB	SATA-300	250GB
	MKxx61GSYx	MK5061GSYB	SATA-300	500GB
	MKxx61GSYx	MK8061GSYB	SATA-300	80GB
	MKxx01GRRB	MK3001GRRB	SAS-600	300GB

Western Digital*	WD RE4	WDCWD1003FBYX	SATA-300	1TB
	WD VelociRaptor	WD1500BLFS	SATA-300	150GB
	Mantis-RE4	WD2003FYYS	SATA-300	2TB
	WD VelociRaptor	WD3000BLFS	SATA-300	300GB
	WD RE4	WD5003ABYX	SATA-600	500GB
	WD VelociRaptor	WD6000BLHX	SATA-300	600GB
	WD VelociRaptor	WD6000HLHX	SATA-600	600GB
	WD S25	WD3000BKHG	SAS-600	600GB
	WD S25	WD6000BKHG	SAS-600	450GB
	WD XE	WD3001BKHG	SAS-600	300GB
	WD XE	WD4501BKHG	SAS-600	450GB
	WD XE	WD6001BKHG	SAS-600	600GB
	WD XE	WD9001BKHG	SAS-600	900GB

## 4. Memory

Each Intel® Server System has a supported memory list and the Intel® On-site Repair for Servers service will support a subset of these lists. Like processors and hard drives, Intel may choose to replace a given memory device with a like or higher-featured/-sized device.

SK Hynix*	HMT41GU7MFR8A-H9	8GB	1333	Unbuffered
	HMT325U7CFR8A-H9	2GB	1333	Unbuffered
	HMT351U7CFR8A-H9	4GB	1333	Unbuffered
	HMT351R7CFR8A-H9	4GB	1333	Registered
	HMT351R7CFR4A-H9	4GB	1333	Registered
	HMT31GR7CFR4A-H9	8GB	1333	Registered
	HMT31GR7CFR8A-H9	8GB	1333	Registered
	HMT42GR7MFR4A-H9	16GB	1333	Registered
	HMT351R7CFR8C-PB	4GB	1600	Registered
	HMT351R7CFR4C-PB	4GB	1600	Registered
	HMT31GR7CFR4C-PB	8GB	1600	Registered
	HMT42GR7MFR4C-PB	16GB	1600	Registered
	HMT42GL7BMR4A-H9	16GB	1333	Load Reduced
	HMT325U7CFR8C-PB	2GB	1600	Unbuffered

Kingston*  <i>Parts listed also cover Kingston kits</i>	KVR1066D3Q8R7S/8GI	8GB	1066	Registered
	KVR1333D3D4R9S/16GI <i>KVR13R9D4/16I</i>	16GB	1333	Registered
	KVR1333D3D4R9S/8GI	8GB	1333	Registered
	KVR1333D3D4R9S/4GI	4GB	1333	Registered
	KVR1333D3S4R9S/4GI <i>KVR13R9S4/4I</i>	4GB	1333	Registered
	KVR1333D3S8E9S/2GI <i>KVR13E9/2I</i>	2GB	1333	Unbuffered
	KVR1333D3LS4R9S/4GI <i>KVR13LR9S4/4I</i>	4GB	1333	Registered
	KVR1333D3E9S/2GI	2GB	1333	Unbuffered
	KVR1600D3D8R11S/4GI <i>KVR16R11D8/4I</i>	4GB	1600	Registered
	KVR1333D3E9S/4GI <i>KVR13E9/4I</i>	4GB	1333	Unbuffered
	KVR1333D3D4R9S/8GI	8GB	1333	Registered
	KVR1600D3S8R11S/2GI	2GB	1600	Registered
	KVR1600D3E11S/2GI <i>KVR16E11/2I</i>	2GB	1600	Unbuffered
	KVR1600D3E11S/4GI <i>KVR16E11/4I</i>	4GB	1600	Unbuffered
	KVR1333D3LS8R9S/2GI <i>KVR13LR9S8/2I</i>	2GB	1333	Registered
	KVR1333D3S8E9S/2GI	2GB	1333	Unbuffered

Kingston*	KVR13LR9D4/16I	16GB	1333	Registered
	KVR13R9D8/4I	4GB	1333	Registered
	KVR1600D3D4R11S/8GI KVR16R11D4/8I	8GB	1600	Registered
	KVR1333D3S8R9S/2GI KVR13R9S8/2I	2GB	1333	Registered
	KVR1333D3LD8R9S/4GI KVR13LR9D8/4I	4GB	1333	Registered
	KVR1333D3LD4R9S/8GI KVR13LR9D4/8I	8GB	1333	Registered
	KVR1333D3E9S/8GI KVR13E9/8I	8GB	1333	Unbuffered

Micron*	MT36JSF1G72PZ-1G6M1	8GB	1600	Registered
	MT18KSF1G72AZ-1G4D1	8GB	1333	Unbuffered
	MT18KSF1G72PZ-1G4D1	8GB	1333	Registered
	MT18JSF51272PDZ-1G6M1HE	4GB	1600	Registered

Nanya*	NT4GC72C8PG0NL-CG	4GB	1333	Registered
	NT8GC72C4NG0NL-CG	8GB	1333	Registered
	NT4GC72C8PG0NF-CG	4GB	1333	Unbuffered
	NT4GC72B4PG0NL-DI	4GB	1600	Registered
	NT4GC72B8PG0NL-DI	4GB	1600	Registered
	NT8GC72B4NG0NL-DI	8GB	1600	Registered
	NT2GC72B89G0NF-DI	2GB	1600	Unbuffered
	NT4GC72B8PG0NF-DI	4GB	1600	Unbuffered

Samsung*	M391B5273CH0-CH9	4GB	1333	Unbuffered
	M393B5170FH0-CH9	4GB	1333	Registered
	M391B5673FH0-CH9	2GB	1333	Unbuffered
	M393B5673FH0-CH9	2GB	1333	Registered
	M393B2G70BH0-YH9	16GB	1333	Registered
	M393B2G70BH0-CK0	16GB	1600	Registered
	M393B2G70BH0-CH9	16GB	1333	Registered
	M393B1K70DH0-CK0	8GB	1600	Registered
	M391B5273DH0-CH9	4GB	1333	Unbuffered
	M391B5273DH0-CK0	4GB	1600	Unbuffered
	M391B5773DH0-CK0	2GB	1600	Unbuffered
	M393B5773DH0-CK0	2GB	1600	Registered
	M393B5270DH0-YH9	4GB	1333	Registered
	M393B1K70DH0-YH9	8GB	1333	Registered
	M386B4G70BM0-CH9	32GB	1333	Load Reduced