

**"GA-7PCSLX" Qualification Vender List Ver:1.0**

**CPU Sandy Bridge-EN (LGA 1356-2)**

Vendor	Model Name	SPEC
Intel	E5-2470	2.3GHz, 8C, 95W 20M Cache, 8.00 GT/s Intel® QPI C2 QBWU
Intel	E5-2450	2.1GHz, 8C, 95W 20M Cache, 8.00 GT/s Intel® QPI C2 QBWY
Intel	E5-2440	2.4GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBWO
Intel	E5-2430	2.2GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBX4
Intel	E5-2420	1.9GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBX6
Intel	E5-2450L	1.8GHz, 8C, 70W 20M Cache, 8.00 GT/s Intel® QPI C2 QBWW
Intel	E5-2403	1.8GHz, 4C, 80W 10M Cache, 6.40 GT/s Intel® QPI M1 QBXH
Intel	E5-2430L	2.0GHz, 6C, 60W 15M Cache, 7.20 GT/s Intel® QPI C2 QBX2
Intel	E5-2470	2.30GHz 8Cores 95 W 20MB FCLGA10 C-1 QBGE
Intel	E5-2440	2.40 GHz 15 MB 95 W 6Cores FCLGA10 C-1 QBGH
Intel	E5-2430L	2.30 GHz 15 MB 60 W 6Cores FCLGA10 C-1 QBGJ
Intel	E5-2420	1.90GHz 15 MB 95 W 6Cores FCLGA10 C-1 QBM5
Intel	E5-2450	2.10 GHz 20 MB 95 W 8Cores FCLGA 10 C-1 QBGG

**CPU IVY BRIDGE-EN (LGA1356-2)**

Vendor	Model Name	SPEC
Intel	E5-2403V2	1.8 GHz DP 4 core 10MB 6.4 1333 MHz 80W Q F7M S1
Intel	E5-2407V2	2.2 GHz DP 4 core 10MB 6.4 1333 MHz 80W Q F7K S1
Intel	E5-2420V2	2.2 GHz DP 6 core 15MB 7.2 1600 MHz 95W Q F7H M2
Intel	E5-2430V2	2.5 GHz DP 6 core 15MB 7.2 1600 MHz 95W Q F7F S1
Intel	E5-2430LV2	2.4 GHz DP 6 core 15MB 7.2 1600 MHz 60W Q F8K S1
Intel	E5-2440V2	1.9 GHz DP 8 core 15MB 7.2 1600 MHz 95W Q F61 M1
Intel	E5-2450V2	2.5 GHz DP 8 core 20MB 8 1600 MHz 95W Q F6Z M1
Intel	E5-2450LV2	1.7 GHz DP 10 core 20MB 8 1600 MHz 60W Q F63 M1
Intel	E5-2470V2	2.4 GHz DP 10 core 25MB 8 1600 MHz 95W Q BF5ZU M1

**Memory RDIMM**

Vendor MP	Model Name	SPEC
MIRA	PP08GJ93BLF-GGN	8GB 2RX8 PC3L-12800R-11-11-B0P
MIRA	PP16GJA2BLF-GGN	16GB 2Rx4 PC3L-12800R-11-11-E1P
ACTICA	ACT16GHR72U4J1866S	16GB DDR3 1866 REG ECC
V-Color	TRV16G18CA11-H11D	DDR3-1600 2Gx4 2Rx4 1.5V 16GB
V-Coor	TRV16G18C11-H11D	DDR3-1600 1Gx8 4Rx8 1.5V 16GB ECC REG
CRUCIAL	CT16G3ERSLD4160B	16GB 36FN DDR3-1600 1.35V DRx4 RDIMM
CRUCIAL	CT16G3ERSLD4160B	16GB 36FED DDR3-1600 1.35V DRx4 RDIMM
ACTICA	ACT4GHR72P8H1600H 4GB DDR3-1600 REG ECC	
ACTICA	ACT8GHR72Q4H1600S 8GB DDR3-1600 REG ECC	
ACTICA	ACT16GHR72U4J1600S 16GB DDR3-1600 REG ECC	
INNODISK	M3CP-4GHJHC0C-C 4GB DDR3 1600 WECC DIMM	
INNODISK	M3CP-8GHS3C0C-M 8GB DDR3 1600 WECC DIMM	
ADATA	ADDE1600W8G11-BMID DDR3L 1600(11) 8Gx18 ECC-DIMM	
ADATA	A-DATA ADDR1600W8G11-BMIE DDR3L 1600(11) 8GX18 R-DIMM	
ADATA	A-DATA AD3R1600W8G11-BMIE DDR3 1600(11) 8GX18 R-DIMM	
ADATA	ADDV1600W8G11-BMID DDR3L 1600(11) 8Gx18 VLP R-DIMM	
ADATA	AD3V1600W8G11-BMID DDR3L 1600(11) 8Gx18 VLP-R	
Nanya	NT8GC72B4NG0NL-DI, 8GB, 2Rx4, PC3-12800R-11-10-J1, 1600, ECC	
Nanya	NT4GC72B8PB0NL-CG /4G	4G Registered ECC DDR3 1333
Nanya	NT8GC72B4NB1NJ-CG /8G	8G Registered ECC DDR3 1333
Nanya	NT8GC72C4NB3NJ-CG /8G	1.5V 8GB RDIMM/1333MHz.ECC
INNODISK	ACT8GHR72Q4H1333S 8GB DDR3-1333 REG ECC	8GB DDR3-1333 REG ECC
INNODISK	ACT16GHR72Q4J1066S 16GB DDR3-1066 REG ECC	16GB DDR3-1066 REG ECC
INNODISK	ACT2GHR72N8H 1333H 2GB DDr3-1333 REG ECC	2GB DDR3-1333 REG ECC
INNODISK	ACT4GHR72P8H1333M-LV 4GB LV DDR3-1333 REG ECC	4GB LV DDR3-1333 REG ECC
INNODISK	ACT8GHR72Q4H1333S-LV 8GB DDR3 REG ECC	8GB 1333MHz DDR3 ECC Reg CL9 DIMM
Kingston	KVR1333D3S8R9S/1G	1GB 1333MHz DDR3 ECC Reg CL9 DIMM
Apacer	78.B1GDR.4210C 4GB, ECC, REG, 10600, CL9	78.B1GDR.4210C Apacer 4GB, ECC, REG, 10600, CL9
ADATA	ADATA DDR3 1333 (9) 16G X36 LR-DIMM	ADATA DDR3 1333 (9) 16G X36 LR-DIMM
ADATA	A-DATA DDR3 1600 4G*18 MIR4D1C18	A-DATA DDR3 1600 4G*18 MIR4D1C18
Apacer	78.A1GDR.4200C Apacer 2GB, ECC, REG, 10600, CL9	78.A1GDR.4200C Apacer 2GB, ECC, REG, 10600, CL9
Kingston	KVR1333D3D4R9SK2/8G	8GB 1333MHz DDR3 ECC Reg CL9 DIMM (Kit of 2) DR x4 w/TS Intel
Kingston	KVR16R11D4/16	16GB DDR3-1600 REG ECC 2Rx4
Kingston	KVR13LR9D4/16	16GB DDR3-1333 REG ECC 2Rx4
Kingston	KVR13LR9Q4/32	32GB DDR3-1333 REG ECC 2Rx4
Kingston	KVR16LR11D4/16HB	16GB ECC Reg CL11 Dr X4 DDR3L 1600MHZ DIMM 1.35V
ADATA	AD3R1600C2G11-BMIK	2GB DDR3-1600 REG ECC 1.5V
INNODISK	ACT8GHR72Q4H1600H	8GB DDR3-1600 REG ECC A11331C
Samsung	M393B5773DH0-YK0	2GB DDR3-1600 REG 1Rx8 PC3L-12800R-11-11-A1-D3
APACER	78.B1GEW.AF10C	4GB ECC REG PC3-12800 CL11 DDR3 REG DIMM 12800-11 256x8 HYN G
APACER	78.C1GEY.AT10C	8GB ECC REG PC3-12800 CL11 DDR3 REG DIMM 12800-11 512x8 MC G
Kingston	KVR13LR9D4/8HC	8GB 1333MHz DDR3L ECC Reg CL9
Kingston	KVR13LR9D4/16HM	16GB 1333MHz DDR3L ECC Reg CL9
Ventura	D3-60NN105BJV-11	8GB PC3-12800 DDR3-1600MHz ECC Reg CL11
Ventura	D3-58NN101AJV-11	4GB PC3-12800 DDR3-1600MHz ECC Reg CL11

Ventura	D3-58NK105BJV-11	4GB PC3-12800 DDR3-1600MHz ECC Reg CL11
<b>Memory LRDIMM</b>		
Vendor	Model Name	SPEC
Kingston	KVR13LL9Q4/32	32GB 4Rx4 4G x 72-Bit PC3L-10600C L9
<b>Memory ECC UDIMM</b>		
Vendor	Model Name	SPEC
CRUCIAL	CT102472BA186D.18FED	8GB 2Rx8 PC3-14900E-13-13-E3 DDR3-1866 DR x8 ECC UDIMM
Apacer	2GB ECC PC3-10600 CL9 78.A1GDF.AF20C	2GB ECC PC3-10600 CL9 78.A1GDF.AF20C
Apacer	4GB ECC PC3-10600 CL9 78.B1GDF.AF3	4GB ECC PC3-10600 CL9 78.B1GDF.AF3
ADATA	ADDC1600W8G11-BMIE DDR3L 1600(11) 8Gx18 VLP-E	ADDC1600W8G11-BMIE DDR3L 1600(11) 8Gx18 VLP-ECC-DIMM
Nanya	NT4GC72B8PB0NF /4G	4G ECC DDR3 1333
INNODISK	4GB DDR3 1333 W/ECC M3CN-4GHJ3C09-C	INNODISK 4GB DDR3 1333 W/ECC M3CN-4GHJ3C09-C
INNODISK	ACT8GHU72D8J1333S 8GB DDR3-1333 UNB ECC	8GB DDR3-1333 UNB ECC
INNODISK	INNODISK w/ECC DIMM M3CN-4GHJHC09-C	4GB DDR3-1333 PC3-10600
INNODISK	INNODISK w/EXX DIMM M3CN-2GHJ1C09-C	2GB DDR3-1333 w/ECC DIMM
INNODISK	INNODISK 1.35 LV w/EXX DIMM M3CP-2GMJ1LN9-M	2GB DDR3-1333 w/ECC DIMM
INNODISK	INNODISK 1.35 LV w/EXX DIMM M3CP-4GMJHLN9-M	4GB DDR3-1333 PC3-10600
INNODISK	2GB DDR3 1333 W/ECC M3CN-2GHJC09-C	INNODISK 2GB DDR3 1333 W/ECC M3CN-2GHJC09-C
Apacer	78.B1GDF.4230C r 4GB, ECC, 10600, CL9	78.B1GDF.4230C Apacer 4GB, ECC, 10600, CL9
Apacer	78.A 1GDF.4220C Apacer 2GB, ECC, 10600, CL9	78.A 1GDF.4220C Apacer 2GB, ECC, 10600, CL9
Transcend	UNB/ECC RoHS TS256MLK72V3U (EF /2G	2GB DDR3 1333 ECC UDIMM CL9
Transcend	UNB/ECC RoHS TS128MLK72V3U (E8) /1G	1GB DDR3 1333 ECC UDIMM CL9
Kingston	KVR1333D3E9S/8G	8GB DDR3-1333 Non ECC 1.5V 2Rx8
Kingston	KVR16LR11D4/16KF	16GB 1600MHz DDR3L ECC Reg CL11 DIMM DR x4 1.35V
Kingston	KVR16LR11D8/8KF	8GB 1600MHz DDR3L ECC Reg CL11 DIMM DR x8 1.35V
Kingston	KVR16LR11D4/16HB	16GB ECC Reg CL11 Dr X4 DDR3L 1600MHZ DIMM 1.35V
Hynix	HMT451U7AFR8A-PB	4GB, UDIMM, DDR3-1600, LF+HF, 1Rx8, 1.35V
APACER	78.B1GEB.AF30C	4GB ECC REG PC3-12800 CL11 DDR3 ECC DIMM 12800-11 256x8 HYN G
APACER	78.C1GER.AT30C	8GB ECC PC3-12800 CL11 DDR3 DIMM 12800-11 512x8 MC G
<b>Memory Non ECC UDIMM (Desktop Department)</b>		
Vendor	Model Name	SPEC
Kingston	KVR1333D3N9/2G	(UDIMM) 1GB ,DDR3 PC10600 ,1333MHz CL9 ,KVR1333D3N9/2G
Kingston	KVR1333D3N9/4G	(UDIMM) 1GB ,DDR3 PC10600 ,1333MHz CL9 ,KVR1333D3N9/4G
Kingston	KVR16LE11S8/4KF	4GB (1x4GB) DDR3L 1600MHz ECC CL11 UDIMM 1R X8 1.35V
Kingston	KVR16LE11/8KF	8GB 240-Pin DDR3 1600 (PC3 12800) ECC UDIMM
Kingston	KVR16LE11/8HB	8GB 1600MHZ DDR3L ECC CL11 DIMM 1.35V
Geil	GV316GB1333C9QC	(UDIMM) 4GB ,DDR3 PC10660 ,1333MHz ,GV316GB1333C9QC
<b>Hard Drive SAS (May need RAID card support)</b>		
Vendor	Model Name	SPEC
Seagate	ST3300657SS	3.5" SAS2, 300GB/16M 15000RPM
WD	WD3001BKHG-02D22V1	2.5" 300G SAS XE 32MB Cache 10000RPM
WD	WD4001FYYG	3.5" 4TB SAS 6Gb/s 32MB 7200 RPM
HGST	HUC101212CSS600	2.5" 1.2TB SAS 6Gb/s 64MB 10KRPM
HGST	HUC109090CSS600	2.5" 900GB SAS 6Gb/s 64MB 10K RPM
HGST	HUS724040ALS640	3.5" 4TB SAS-2 7200rpm
HGST	HUS723030ALS640	3.5" 3TB SAS 6Gb/s 64 MB 7200RPM
Seagate	ST9146853SS	2.5" 146GB SAS 6Gb/s Savvio15K 64MB Cache 15000RPM
Seagate	ST3300657SS	3.5" 300GB SAS 6Gb/s Cheetah15K 16MB Cache 15000RPM
Seagate	ST4000NM0023	3.5" 4TB SAS 6Gb/s 128MB 7200RPM
<b>Hard Drive SATA</b>		
Vendor	Model Name	SPEC
WD	WD XE WD9001BKHG, 900GB, 32MB, 10000RPM	SATAIII 2.5" 900GB 10000rpm
WD	WD2000FYYZ-01UL1B0/64MB 2TB	SATAIII 3.5" 2TB 10000rpm
WD	WD1002FBYS-01A6B0	3.5" SATA2, 1TB/32M SATA2 7200RPM
WD	WD5002ABYS-01B1B0	3.5" SATA2, 500G/16M 7200RPM
WD	WD2002FYPS-01U1B0	3.5" SATA2, 2TB/64M 7200RPM
WD	WD6000BLHX	2.5" SATA3, 600GB/32M 7200RPM
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-C12F21AC1EN 512GB
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-B56F21AC1EN 256GB
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-A28F21AC1EN 128GB
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-64GF21AC1EN 64GB
Seagate	ST9250610NS	2.5" 250G SATAIII Constellation.2 64MB Cache 7200RPM
WD	WD2003FYYS-02W0B1	3.5" 2TB SATAII RE4 64MB Cache 7200RPM
WD	WD4000FYYZ-01UL1B0	3.5" 4TB SATAIII RE4 64MB Cache 7200RPM
WD	WD2000FYYZ-01UL1B0	3.5" 2TB SATAII RE4 64MB Cache 7200RPM
WD	WD3000FYYZ	3.5" 3TB SATAIII RE4 64MB Cache 7200RPM
Seagate	ST2000NM0011	3.5" 2TB SATAIII Constellation ES MB 64MB Cache RPM FW: SN02
HITACHI	HUS724040ALE640	3.5" 4TB SATAIII Ultrastar 7K4000 6Gb/s 7200RPM FW:3B0
HGST	HUS724040ALA640	3.5" 4TB SATAIII 64MB 6Gb/s 7K4000
Seagate	ST3000NC000	3 TB 3.5" 6Gb/s SATA 64MB 7200 rpm
Seagate	ST32000645NS	3.5" 2TB SATAIII Constellation ES.2 64MB Cache 7200RPM
WD	WD1003FBYX-01Y7B1	3.5" 1TB SATAII RE4 64MB Cache 7200RPM

HGST	HUA722010CLA330	3.5" 1TB SATAII 7200RPM
WD	WD1002FBYS-02A6B0	3.5" 1TB SATAII RE3 32MB 3GB/S 7200RPM
HGST	HMS5C4040ALE640	3.5" 4TB SATAIII 64MB 6Gb/s 5700RPM
WD	WD1002FBYS-02A6B0	3.5" 1TB SATAII RE3 32MB 3GB/S 7200RPM
TOSHIBA	MG03ACA300	3.5" 3TB ,SATA 6.0Gb/s 64MB, 7200 RPM
TOSHIBA	MG03ACA400	3.5" , 4TB , SATA 6.0 Gb/s , 64MB, 7200 RPM
<b>DOM (Disk on Module)</b>		
Vendor	Model Name	SPEC
INNODISK	SLC D150QV 8GB DESIH-08GJ30AC1 DN	
INNODISK	SLC D150QV-L 8GB DESIL-08GJ30ACA QS	
INNODISK	SLC D150QV-L 16GB DESIL-16GJ30ACA QS	
INNODISK	SLC D150QH 8GB DESIB-08GJ30ACA QS	
INNODISK	SLC D150QH 16GB DESIB-16GJ30ACA QS	
INNODISK	SLC D150QH 32GB DESIB-32GJ30ACA QS	
INNODISK	MLC D150QV 16GB DESIH-16GJ30AC1 QN	
INNODISK	MLC D150QV 32GB DESIH-32GJ30AC1 QN	
INNODISK	MLC D150QV 64GB DESIH-64GJ30AC1 QN	
INNODISK	MLC D150QH 16GB DESIB-16GJ30AC1 QN	
INNODISK	MLC D150QH 32GB DESIB-32GJ30AC1 QN	
INNODISK	SLC Pin 7 VCC D150QV-L 8GB DESIL-08GJ30ACA QSF	
INNODISK	SLC Pin 7 VCC D150QH 8GB DESIB-08GJ30ACA QSF	
INNODISK	SLC Pin 7 VCC D150QH 16GB DESIB-16GJ30ACA QSF	
INNODISK	SLC Pin 7 VCC D150QH 32GB DESIB-32GJ30ACA QSF	
<b>RAID Card</b>		
Vendor	Model Name	SPEC
HighPoint	Rocket 640L	6Gb/s SATA Host Adapter
HighPoint	RocketRAID 620	6Gb/s SATA Host Adapter
HighPoint	RocketRAID 2680SGL	3Gb/s SAS/SATA Host Adapter
Promise	SuperTrak EX8660	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MegaRAID SAS 8708EM2(GC-RLE087-RH)	PCI-E x8, 3Gb/s, SAS, 8-port MegaRAID
LSI	MegaRAID SAS 9240-8i(LSI 2008)	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MegaRAID SAS 9260-8i(LSI 2008)	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MEGARAID LSI 9271-8i	SAS 6GB/S8-PORT SATA+SAS L3-25413-10A PCI-E 3.0
Highpoint	RocketRAID 2720SGL	PCI-E x8 6Gb/s SAS/SATA 8-Port Host Adapter
Highpoint	RocketRAID 2740	PCI-E x16 Low Profile 6Gb/s SAS/SATA 4 x SFF-8087 mini-SAS Host Adapt
Highpoint	RocketRAID 2760/2760A	PCI-E x16, 6Gb/s, SAS, 6-port Marvell 88SE9485
Gigabyte	GC-RA201-A	LSI SAS2208 SAS Controller PCI-E Gen 3 x8
Gigabyte	GC-RA200-8	LSI SAS2308 SAS I/O Controller PCI-E Gen 3 x8
Gigabyte	GC-MSEE4	Two-Lane PCI-Express 2.0 to four-port 6 Gpbs SATAHost Bus Adapter
<b>SCSI Card</b>		
Vendor	Model Name	SPEC
Adaptec	29160LP	Ultra160, PCI-X
Adaptec	29320LPE	Ultra320, PCI-E
<b>Graphics Card</b>		
Vendor	Model Name	SPEC
GIGABYTE	GV-D2201GI	GV-D2201GI
GIGABYTE	GV- NX73G128D-H	Geforce 7300 GS(PCI-E 2.0
<b>Graphics Card (Desktop Depart)</b>		
Vendor	Model Name	SPEC
GIGABYTE	GV-R455D3-512I	RV710(Radeon HD4550)(PCI-E 2.0)
GIGABYTE	GV-R555D3-1GI	RV810(Radeon HD5550)(PCI-E 2.0)
GIGABYTE	GV-R567OC-1GI	RV830(Radeon HD5670)(PCI-E 2.0)
GIGABYTE	GV-N9800GTX+	Geforce 9800 GTX+(PCI-E 2.0)
GIGABYTE	GV-N94T-512H	Geforce 9400 GT(PCI-E 2.0)
GIGABYTE	GV-N285-1GH-B	Geforce GTX285(PCI-E 2.0)
GIGABYTE	GV-N480D5-15I-B	Geforce GTX480(PCI-E 2.0)
GIGABYTE	GV-N580D5-15I-B	Geforce GTX580(PCI-E 2.0)
GIGABYTE	ATI-HD4890	ATI-HD4890
<b>LAN Card</b>		
Vendor	Model Name	SPEC
Intel	Intel Gigabit ET2 Quad Port Svr Adptr 82576GB	PCI-E LAN Adapter
Intel	PRO/1000MT Desktop Adapter	PCI LAN Adapter
Intel	PRO/1000PT Dual Port Server Adapter	PCI-E x4 LAN Adapter
Intel	PRO/1000PT Quad Port Server Adapter	PCI-E x4 LAN Adapter
Intel	Intel X520-DA2 82599 10G	Fibre Channel to PCIe 2.0a Gen2 (x8) 10GB dual port
Gigabyte	GC-MLBZ1-00	BroadCom 10G LAN adapter Specification with BCM57811S PCI-e FF card.

<b>PSU</b>		
Vendor	Model Name	SPEC
FSP	FSP EVEREST 85plus 600W	ATX2.0
Huntkey航嘉	HuntKey航嘉 HK650-11PEP 550W	ATX
新巨	2+1冗余 R3G-6650P/650W	650W redundant power supply
<b>USB 3.0 Device</b>		
Vendor	Model Name	SPEC
WD	WD WDBACY5000AWT-01	500GB USB 3.0 HDD
Seagate	Seagate GoFlex STAA500305	500GB USB 3.0 HDD
Toshiba	TOSHIBA CANVIO BASIC	500GB USB 3.0 HDD
Gigabyte	Gigabyte PURE CLASSIC X176B1FWBO75	500GB USB 3.0 HDD
MSI	MSI UBO-30 EXTERNAL SLIM	USB 3.0 Blue-ray Combo
EXTEK	EXTEK BYTECC-ME535U3 Pioneer	USB 3.0 Blue-ray Combo
UN	UN EBC113	USB 3.0 Blue-ray Combo
UN	UN ESW863 8X SLIM	USB 3.0 DVD
IN-TECH	IN-TECH 16GB	USB 3.0 Flash
Verico Evolution	Verico Evolution Lite S 16GB	USB 3.0 Flash
SILICON POWER	SILICON POWER BLAZE B10 16GB	USB 3.0 Flash
ADATA	ADATA SUPERIOR S102 PRO 16GB	USB 3.0 Flash
MUKii	MUKii TIP-D185U3	USB 3.0 Device
CyberSLIM	CyberSLIM S1-DS3 TURBO	USB 3.0 Device
ICY BOX	ICY BOX IB-111STU3-WH	USB 3.0 Device
ineo	ineo NA317U+	USB 3.0 Device