

C5. Qualification Vender List

Attention! You must enable BIOS runtime error to monitor correctable and uncorrectable issue during test

Intel CPU											
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types	Remark
CoffeeLake-S(E) (Midlow-Entry Server/Workstation/Xeon E)											
Intel® Xeon® E-2286G	QS Coffee Lake-S	GRRS	U-0	12MB	8	8	4.0 GHz	4.9 GHz	95W	DDR4-2666	
Intel® Xeon® E-2276G	QS Coffee Lake-S	GRRH	B-0	16MB	8	8	3.4 GHz	5.0 GHz	80W	DDR4-2666	
Intel® Xeon® E-2276G	QS Coffee Lake-S	GRRS1	U-0	12MB	8	8	3.8 GHz	4.9 GHz	80W	DDR4-2666	
Intel® Xeon® E-2274G	QS Coffee Lake-S	GSS1	U-0	8MB	4	4	4.0 GHz	4.9 GHz	83W	DDR4-2666	
Intel® Xeon® E-2244G	QS Coffee Lake-S	GRRS	U-0	12MB	8	8	3.8 GHz	4.8 GHz	80W	DDR4-2666	
Intel® Xeon® E-2244G	QS Coffee Lake-S	GRWF	U-0	8MB	4	4	3.8 GHz	4.8 GHz	71W	DDR4-2666	
Intel® Xeon® E-2226G	QS Coffee Lake-S	GRRV	U-0	12MB	8	8	3.4 GHz	4.7 GHz	80W	DDR4-2666	
Intel® Xeon® E-2224G	QS Coffee Lake-S	GRWG	U-0	8MB	4	4	3.4 GHz	4.7 GHz	71W	DDR4-2666	
Intel® Xeon® E-2226	QS Coffee Lake-S	GRRV	U-0	12MB	8	8	3.4 GHz	4.8 GHz	80W	DDR4-2666	
Intel® Xeon® E-2224	QS Coffee Lake-S	GRWE	U-0	8MB	4	4	3.6 GHz	4.8 GHz	71W	DDR4-2666	
Intel® Xeon® E-2224	QS Coffee Lake-S	GRWC	U-0	8MB	4	4	3.4 GHz	4.8 GHz	71W	DDR4-2666	
Intel® Xeon® E-2186G	QS Coffee Lake-S	GNTB	U-0	12MB	8	8	3.8GHz	4.5GHz	95W	DDR4-2666	
Intel® Xeon® E-2176G	QS Coffee Lake-S	GNTB	U-0	12MB	8	8	3.7GHz	4.3GHz	80W	DDR4-2666	
Intel® Xeon® E-2174G	QS Coffee Lake-S	GPAG	U-0	8MB	4	4	3.8GHz	4.3GHz	71W	DDR4-2666	
Intel® Xeon® E-2146G	QS Coffee Lake-S	GNTB	U-0	12MB	8	8	3.5GHz	4.2GHz	80W	DDR4-2666	
Intel® Xeon® E-2144G	QS Coffee Lake-S	GP22	U-0	8MB	4	4	3.6GHz	4.2GHz	71W	DDR4-2666	
Intel® Xeon® E-2138	QS Coffee Lake-S	GP4C	U-0	12MB	8	8	3.3GHz	4.2GHz	71W	DDR4-2666	
Intel® Xeon® E-2134	QS Coffee Lake-S	GP41	U-0	8MB	4	4	3.5GHz	4.2GHz	71W	DDR4-2666	
Intel® Xeon® E-2128G	QS Coffee Lake-S	GNTA	U-0	12MB	8	8	3.3GHz	4.1GHz	80W	DDR4-2666	
Intel® Xeon® E-2124G	QS Coffee Lake-S	GP5Y	U-0	8MB	4	4	3.4GHz	4.1GHz	71W	DDR4-2666	
Intel® Xeon® E-2124	QS Coffee Lake-S	GP42	U-0	8MB	4	4	3.3GHz	3.9GHz	71W	DDR4-2666	
Intel® Xeon® E-2104G	QS Coffee Lake-S	GNTB	U-0	8MB	4	4	3.2GHz	3.2GHz	95W	DDR4-2666	
CoffeeLake-S (Desktop) i97/5/3/Pentium/Celeron											
Intel® Core™ i7-8700K	QS Coffee Lake-S	GNMK	U-0	12 MB	8	8	3.70 GHz	4.70 GHz	95 W	DDR4-2666	
Intel® Core™ i7-8700	QS Coffee Lake-S	GNML	U-0	12 MB	8	8	3.20 GHz	4.60 GHz	65 W	DDR4-2666	
Intel® Core™ i7-8700T	QS Coffee Lake-S	GNLP	U-0	12 MB	8	8	2.40 GHz	4.00 GHz	35 W	DDR4-2666	
Intel® Core™ i5-8600K	QS Coffee Lake-S	GNPL	B-0	9 MB	8	8	3.70 GHz	4.60 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8600	QS Coffee Lake-S	GNPE	B-0	9 MB	8	8	3.70 GHz	4.60 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8600K	QS Coffee Lake-S	GNMM	U-0	9 MB	8	8	3.60 GHz	4.30 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8600	QS Coffee Lake-S	GNQU	U-0	9 MB	8	8	3.10 GHz	4.60 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8500	QS Coffee Lake-S	GNUT	U-0	9 MB	8	8	3.00 GHz	4.40 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8400	QS Coffee Lake-S	GRNN	R-0	9 MB	8	8	2.90 GHz	4.10 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8400	QS Coffee Lake-S	GPBY	U-0	9 MB	8	8	2.90 GHz	4.10 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8400	QS Coffee Lake-S	GP3R	B-0	9 MB	8	8	2.90 GHz	4.10 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8400	QS Coffee Lake-S	GP4W	U-0	9 MB	8	8	3.10 GHz	4.30 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8500	QS Coffee Lake-S	GP5J	U-0	9 MB	8	8	3.00 GHz	4.10 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8500	QS Coffee Lake-S	GNMN	U-0	9 MB	8	8	2.80 GHz	4.00 GHz	65 W	DDR4-2666	
Intel® Core™ i5-8600T	QS Coffee Lake-S	GNQJ	U-0	9 MB	8	8	2.30 GHz	3.90 GHz	35 W	DDR4-2666	
Intel® Core™ i5-8600T	QS Coffee Lake-S	GNQR	U-0	9 MB	8	8	2.20 GHz	3.70 GHz	35 W	DDR4-2666	
Intel® Core™ i5-8600T	QS Coffee Lake-S	GNRR	R-0	9 MB	8	8	1.80 GHz	3.60 GHz	35 W	DDR4-2666	
Intel® Core™ i5-8600T	QS Coffee Lake-S	GN70	U-0	9 MB	8	8	1.80 GHz	3.40 GHz	35 W	DDR4-2666	
Intel® Core™ i5-8600T	QS Coffee Lake-S	GNP0	U-0	9 MB	8	8	2.38 GHz	3.70 GHz	35 W	DDR4-2666	
Intel® Core™ i5-8600T	QS Coffee Lake-S	GNP9	U-0	9 MB	8	8	2.10 GHz	3.50 GHz	35 W	DDR4-2666	
Intel® Core™ i3-8400T	QS Coffee Lake-S	GNP6	B-0	9 MB	8	8	3.70 GHz	3.30 GHz	35 W	DDR4-2666	
Intel® Core™ i3-8350K	QS Coffee Lake-S	GNFU	B-0	8 MB	4	4	4.00 GHz	4.60 GHz	81 W	DDR4-2400	
Intel® Core™ i3-8350K	QS Coffee Lake-S	GNES	B-0	8 MB	4	4	4.00 GHz	N/A	81 W	DDR4-2400	
Intel® Core™ i3-8300	QS Coffee Lake-S	GNFV	B-0	8 MB	4	4	3.70 GHz	4.30 GHz	62 W	DDR4-2400	
Intel® Core™ i3-8100	QS Coffee Lake-S	GNFW	B-0	8 MB	4	4	3.60 GHz	4.20 GHz	65 W	DDR4-2400	
Intel® Core™ i3-8300	QS Coffee Lake-S	GNFN	B-0	8 MB	4	4	3.70 GHz	N/A	62 W	DDR4-2400	
Intel® Core™ i3-8100	QS Coffee Lake-S	GNET	B-0	8 MB	4	4	3.60 GHz	N/A	65 W	DDR4-2400	
Intel® Core™ i3-8100	QS Coffee Lake-S	GN6K	U-0	8 MB	4	4	3.60 GHz	N/A	65 W	DDR4-2400	
Intel® Core™ i3-8400T	QS Coffee Lake-S	GNFX	B-0	8 MB	4	4	3.20 GHz	3.80 GHz	35 W	DDR4-2400	
Intel® Core™ i3-8100T	QS Coffee Lake-S	GNFV	B-0	8 MB	4	4	3.10 GHz	3.70 GHz	35 W	DDR4-2400	
Intel® Core™ i3-8400T	QS Coffee Lake-S	GNP8	B-0	8 MB	4	4	3.20 GHz	N/A	35 W	DDR4-2400	
Intel® Core™ i3-8100T	QS Coffee Lake-S	GNP0	B-0	8 MB	4	4	3.10 GHz	N/A	35 W	DDR4-2400	
Intel® Pentium® G5500	QS Coffee Lake-S	GNPL	B-0	4 MB	2	2	4.00 GHz	N/A	54 W	DDR4-2400	
Intel® Pentium® G5500	QS Coffee Lake-S	GNP6	B-0	4 MB	2	2	3.90 GHz	N/A	54 W	DDR4-2400	
Intel® Pentium® G5500	QS Coffee Lake-S	GNP5	B-0	4 MB	2	2	3.80 GHz	N/A	54 W	DDR4-2400	
Intel® Pentium® G5420	QS Coffee Lake-S	GNPT	B-0	4 MB	2	2	3.80 GHz	N/A	54 W	DDR4-2400	
Intel® Pentium® G5420	QS Coffee Lake-S	GN71	U-0	4 MB	2	2	3.50 GHz	N/A	55 W	DDR4-2400	
Intel® Pentium® G5400	QS Coffee Lake-S	GNP5	B-0	4 MB	2	2	3.70 GHz	N/A	54 W	DDR4-2400	
Intel® Pentium® G5400	QS Coffee Lake-S	GNP1	U-0	4 MB	2	2	3.70 GHz	N/A	55 W	DDR4-2400	
Intel® Pentium® G5500T	QS Coffee Lake-S	GN7R	B-0	4 MB	2	2	3.30 GHz	N/A	35 W	DDR4-2400	
Intel® Pentium® G5500T	QS Coffee Lake-S	GNPV	B-0	4 MB	2	2	3.20 GHz	N/A	35 W	DDR4-2400	
Intel® Pentium® G5420T	QS Coffee Lake-S	GN7U	B-0	4 MB	2	2	3.20 GHz	N/A	35 W	DDR4-2400	
Intel® Pentium® G5420T	QS Coffee Lake-S	GN7Z	U-0	4 MB	2	2	3.20 GHz	N/A	35 W	DDR4-2400	
Intel® Pentium® G5400T	QS Coffee Lake-S	GNPX	B-0	4 MB	2	2	3.10 GHz	N/A	35 W	DDR4-2400	
Intel® Pentium® G5400T	QS Coffee Lake-S	GNP3	U-0	4 MB	2	2	3.10 GHz	N/A	35 W	DDR4-2400	
Intel® Celeron® G4900	QS Coffee Lake-S	GN7W	B-0	2 MB	2	2	3.30 GHz	N/A	54 W	DDR4-2400	
Intel® Celeron® G4900	QS Coffee Lake-S	GNPY	B-0	2 MB	2	2	3.20 GHz	N/A	54 W	DDR4-2400	
Intel® Celeron® G4900	QS Coffee Lake-S	GNP0	B-0	2 MB	2	2	3.10 GHz	N/A	54 W	DDR4-2400	
Intel® Celeron® G4900T	QS Coffee Lake-S	GNP2	B-0	2 MB	2	2	2.90 GHz	N/A	55 W	DDR4-2400	

Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards								
GC-M5EE4	Marvell 9230	PCIe x4 Gen2 x4 bus	4	SATA III			8Gb/s ports	
RA2001-B	LSI SAS 2308	PCIe x8 Gen3 x8 bus	8	2 x Mini-SAS for 6x SAS			8Gb/s ports	
RA2011-A	LSI SAS 2308	PCIe x8 Gen3 x8 bus	8	2 x Mini-SAS for 6x SAS			8Gb/s ports	
GRA333A	LSI SAS 3208	PCIe x8 Gen3 x8 bus	8	2 x Mini-SAS HD for 6x SAS			12Gb/s ports	
ESA3544	LSI SAS 3008	PCIe x8 Gen3 x8 bus	8		8	2 x external Mini-SAS HD SFF8644	12Gb/s ports	
SDA4544	LSI SAS 3108	PCIe x8 Gen3 x8 bus	4	1 x Internal Mini-SAS HD SFF8643	4	1 x external Mini-SAS HD SFF8644	12Gb/s ports	
SRM4445	LSI SAS 3108	PCIe x8 Gen3 x8 bus	8	2 x Internal Mini-SAS HD SFF8643			12Gb/s ports	
Don't write "Test Items" under this line!!!								
LSI RAID Controller Cards								
MegaRAID SAS 9360-Ba	LSISAS3108 dual core RAID on Chip (ROCC)	x8 lane PCI Express® 3.0	8		8	2 x Mini-SAS HD SFF8644	Up to 12Gb/s per port	
MegaRAID SAS 9361-B	LSISAS3008 PowerPC 476 controller @ 1.2 GHz	x8 lane PCI Express® 3.0	8		8	2 x Mini-SAS SFF8643 (horizontal mount)	Up to 12Gb/s per port	
MegaRAID SAS 9271-B	LSISAS2208 Dual-Core RAID on Chip (ROCC)	x8 lane PCI Express® 3.0	8		8	2 x Mini-SAS SFF8087 (side mount)	Up to 6Gb/s per port	
MegaRAID SAS 9361-B	LSISAS3108 dual core RAID on Chip (ROCC)	x8 lane PCI Express® 3.0	8		8	2 x Mini-SAS SFF8643 (horizontal mount)	Up to 12Gb/s per port	
MegaRAID SAS 9460-16	SAS3116 dual-core RAID on Chip (ROCC)	x8 lane PCI Express® 3.1	8		8	4 x Mini-SAS HD SFF-8643	12Gb/s SAS 3.0	
Don't write "Test Items" under this line!!!								
LSI Host Bus Adapters (HBAs)								
LSI SAS 9300-Ba	SAS3008	x8 lane PCI Express® 3.0	8		8	2 x Mini-SAS HD SFF8644	12Gb/s SAS 3.0 compliant	
LSI SAS 9300-B	SAS3008	x8 lane PCI Express® 3.0	8		8	2 x Mini-SAS HD SFF-8643	12Gb/s SAS 3.0 compliant	
LSI SAS 9400-16	SAS3416	x8 lane PCI Express® 3.1	16		16	4 x Mini-SAS HD SFF-8643	12Gb/s SAS 3.0	
Don't write "Test Items" under this line!!!								
PMC RAID Cards (Adapted)								
Adapter ASR-8880G		8 lane PCIe Gen3	8	2 x Internal mini SAS HD (SFF-8643)	8	2 x external mini SAS HD (SFF-8644)	12Gb/s per port	
Adapter ASR-8160ZTG		8 lane PCIe Gen3	16	4 x Internal mini SAS HD (SFF-8643)			12Gb/s per port	
Don't write "Test Items" under this line!!!								
Microsemi RAID Cards								
SmartRAID 3154-B	PM8204	8 Lane PCIe Gen3	8	2 x Internal SFF-8643			12 Gb/s per port	
SmartRAID 3154-16	PM8236	8 Lane PCIe Gen3	16	4 x Internal SFF-8643			12 Gb/s per port	
Don't write "Test Items" under this line!!!								
Microsemi Host Bus Adapters								
SmartHBA 2100-B	PM8222	8 Lane PCIe Gen3	8	2 x Internal SFF-8643			12 Gb/s per port	
HBA 1100-16	PM8242	8 Lane PCIe Gen3	16	4 x Internal SFF-8643			12 Gb/s per port	
HBA 1100-24	PM8238	8 Lane PCIe Gen3	24	8 x Internal SFF-8643			12 Gb/s per port	
Don't write "Test Items" under this line!!!								
LAN Cards								
Product Name	Connector	System Interface Type	# of Ports	System Interface Type	Data rate	Note		
GIGABYTE LAN Cards								
GLN4821	SFP+	PCIe x8 Gen3 x8	Single	10Gb/s per port	INTEL 82599EN			
GLN4832	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port	INTEL 82599ES			
GLN4751	QSFP+	PCIe x8 Gen3 x8	Single	40Gb/s per port	INTEL XL710			
GLN4752	QSFP+	PCIe x8 Gen3 x8	Dual	40Gb/s per port	INTEL XL710			
GLN4121	RJ-45	PCIe x8 Gen3 x4	Single	10Gb/s per port	INTEL X550-AT			
GLN4222	RJ-45	PCIe x8 Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2			
GLN4244	RJ-45	PCIe x8 Gen3 x8	Quad	10Gb/s per port	INTEL X550-AT2 J			
GLN4242	SFP28	PCIe Gen3 x16	Dual	25Gb/s per port	Mellanox ConnectX-4			
GLN4C44	SFP28	PCIe Gen3 x16	Quad	25Gb/s per port	Mellanox ConnectX-4			
GLN4312	RJ-45	PCIe x4 Gen3 x4	Dual	1Gb/s per port	INTEL I350-AMZ			
GLN4314	RJ-45	PCIe x4 Gen3 x4	Quad	1Gb/s per port	INTEL I350-AMM			
GL-LMN221	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port	Mellanox ConnectX-3			
GL-LM921	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port	Broadcom BCM5781B5			
Don't write "Test Items" under this line!!!								
Intel 10GbE								
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	PCIe x3.0 (8.0 GT/s)	Dual	10Gb/s per port				
Intel® Ethernet Converged Network Adapter X710-T4	RJ-45	PCIe x3.0 (8.0 GT/s)	Quad	10Gb/s per port				
Intel® Ethernet Converged Network Adapter X710-DA4	SFP+	PCIe x3.0 (8.0 GT/s)	Quad	10Gb/s per port				
Intel® Ethernet Network Adapter X722-DA4	SFP+	PCIe x3.0 (8.0 GT/s)	Quad	10Gb/s per port				
Don't write "Test Items" under this line!!!								
Intel 25GbE								
Intel® Ethernet Network Adapter XCV710-DB2	SFP28	PCIe x3.0 (8.0 GT/s)	Dual	25Gb/s per port				
Don't write "Test Items" under this line!!!								
Intel 40GbE								
Intel® Ethernet Converged Network Adapter XL710-QDA2	QSFP+	PCIe x3.0 (8.0 GT/s)	Dual	40Gb/s per port				
Don't write "Test Items" under this line!!!								
Mellanox ConnectX								
MCX355A-ECAT	SFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-4 VPI (InfiniBand)			
MCX3121A-ADAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN			
MCX316A-CCAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN			
MCX315A-CCAT	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN			
Don't write "Test Items" under this line!!!								
Mellanox ConnectX®-3 VPI Adapter Cards								
MCX3194A-ECAT	QSFP	PCIe 3.0	Dual	FDR 16 (39.5Gb/s)				
MCX3544A-ECAT	QSFP	PCIe 3.0	Dual	FDR and 40/50GbE				
MCX355A-ECAT	QSFP28	PCIe 3.0 x16	Single	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)			
Don't write "Test Items" under this line!!!								
Solarflare Onload Server Adapters								
SFN1322E	SFP+	8.0GT/s (Gen3)	Dual	10Gb/s per port				
SFN1322E	SFP+	8.0GT/s (Gen2)	Dual	10Gb/s per port				
Don't write "Test Items" under this line!!!								
Qlogic LAN Adapters								
QL4581HLDL	QSFP28	PCIe x16 Gen3 x16	Single	100Gb/s per port				
QL4542CQDK	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port				
QL4542CQDK	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port				
QL4121HLDLSP	SFP28	PCIe x8 Gen3 x8	Dual	25Gb/s per port				
QL4120HLDLSP	SFP28	PCIe x8 Gen3 x8	Dual	10Gb/s per port				
QL4111QLR	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port				
Don't write "Test Items" under this line!!!								
Broadcom (Emulex) Ethernet Networking Adapters								
BCN97414M142CC	SFP28	PCIe 3.0 x8	Dual	25Gb/s per port		BCM57414		
PSU								
Product Name	Vendor	Input Voltage	Wattage	Application	Efficiency	Note		
ESP1200-50A4G	FSP	100-240V/ac	1200W	Desktop	N/A			
ESP1200M	SeaSonic	100-240V/ac	1200W	Desktop	80Gold			
Don't write "Test Items" under this line!!!								
USB Device								
Product Name	Type	Vendor	Capacity	USB 3.0			Note	
PURE CLASSIC X176B1PW607E	HDD	Gigabyte	500G					
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G					
Memor Column 16x 3.5GB	Flash	Memor	16G					
ADATA SUPERIOR S102 PRO 8GB	Flash	ADATA	8G					
MA317U	Device	neo						
BST 1514	Device	Silver Stone						
MS9861U3-15	Device	IO-DIGOCK						
SLV-SB36UG	Device	STARDOM						
Don't write "Test Items" under this line!!!								