

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support 2 4	XMP	Native	ECC	RGB
5100	BALLISTIX	8GB	1Rx8	BLM8G51C19U4B	SS	Micron		19-23-23-43	1.45v	V	V	V	2666	
5100	BALLISTIX	8GB	1Rx8	BLM8G51C19U4B	SS	Micron		19-26-26-48	1.5v	V	V	V	2666	
4800	ADATA	8GB	1Rx8	AX4U480038G19K-DT50	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	V
4800	ADATA	8GB	1Rx8	AX4U480038G19K-DGM50X	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	V
4800	ASTRA GEAR	8GB	1Rx8	AHL19E6SD8G8F8G48K	SS	Hynix D		19-26-26-46	1.5v	V	V	V	2666	V
4800	CORSAIR	8GB	1Rx8	CMT16GX4M2Z4800C18 ver4.31	SS	Samsung		18-24-24-46	1.5v	V	V	V	2133	V
4866	CORSAIR	8GB	1Rx8	CMK16GX4M2Z4866C18 ver3.2	SS	Spectek		18-26-26-46	1.5v	V	V	V	2133	
4800	CORSAIR	8GB	1Rx8	CMK16GX4M2Z4800C19 ver5.33	SS	Hynix D		19-26-26-46	1.5v	V	V	V	2133	
4800	HyperX	8GB	1Rx8	HX448C19PB3K2/16	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	
4800	V-Color	8GB	1Rx8	TL8G48819D-E6PRSWK	SS	Hynix D		19-27-27-46	1.5v	V	V	V	2666	V
4600	ADATA	8GB	1Rx8	AX4U460038G19K-SB30	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	
4600	ADATA	8GB	1Rx8	AX4U460038G19K-B	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	
4600	ADATA	8GB	1Rx8	AX4U460038G19K-DR30	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	
4600	ADATA	8GB	1Rx8	AX4U460038G19K-DB30	SS	Hynix		19-26-26-46	1.5v	V	V	V	2666	
4600	G.SKILL	8GB	1Rx8	F4-4600C19D-16GTZKKA	SS	Samsung		19-19-19-39	1.45v	V	V	V	2133	
4600	G.SKILL	8GB	1Rx8	F4-4600C18D-16GTZR	SS	Samsung		18-22-22-42	1.45v	V	V	V	2133	
4600	GALAX	8GB	1Rx8	HOF4SXL4B5T4600Q18TC162C	SS	Samsung		18-26-26-42	1.5v	V	V	V	2133	V
4600	HyperX	8GB	1Rx8	HX446C19PB3K2/16	SS	Samsung		19-26-26-45	1.5v	V	V	V	2400	
4600	HyperX	8GB	1Rx8	HX446C19PB3K2/16	SS	Hynix		19-26-26-45	1.5v	V	V	V	2400	
4600	HyperX	8GB	1Rx8	HX446C19PB3A/8	SS	Hynix D		19-26-26-45	1.5v	V	V	V	2400	V
4600	HyperX	8GB	1Rx8	HX446C19PB3AK2/16	SS	Hynix D		19-26-26-45	1.5v	V	V	V	2400	V
4600	Thermaltake	8GB	1Rx8	R009D408GX2-4600C19A	SS	Hynix	H5AN8G8NDJR-XNC	19-26-26-45	1.5v	V	V	V	2666	V
4600	Thermaltake	8GB	1Rx8	R022D408GX2-4600C19A	SS	Hynix	H5AN8G8NDJR-XNC	19-26-26-45	1.5v	V	V	V	2666	V
4600	Thermaltake	8GB	1Rx8	R016D408GX2-4600C19A	SS	Hynix	H5AN8G8NDJR-XNC	19-26-26-45	1.5v	V	V	V	3200	V
4500	CORSAIR	8GB	1Rx8	CMK16GX4M2K4500C19 ver4.31	SS	Samsung		19-19-19-39	1.45v	V	V	V	2133	
4500	G.SKILL	8GB	1Rx8	F4-4500C19D-16GTZKKE	SS	Samsung		19-19-19-39	1.45v	V	V	V	2133	
4500	GALAX	8GB	1Rx8	HOF4PXL4B5T4500Q19MG162C	SS	Samsung		19-19-19-39	1.45v	V	V	V	2133	
4400	AORUS	8GB	1Rx8	GP-ARS16G44	SS	Hynix D		19-26-26-46	1.5v	V	V	V	2666	V
4400	ADATA	8GB	1Rx8	AX4U440038G19-BR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4400	ADATA	8GB	1Rx8	AX4U440038G19-SR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4400	ADATA	8GB	1Rx8	AX4U440038G19-DR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4400	ADATA	8GB	1Rx8	AX4U440038G19-BR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4400	ADATA	8GB	1Rx8	AX4U440038G19-SR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4400	ADATA	8GB	1Rx8	AX4U440038G19-DR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4400	BALLISTIX	8GB	1Rx8	BLM8G44C19U4B	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	8GB	1Rx8	BLM8G44C19U4R	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	8GB	1Rx8	BLM8G44C19U4W	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	8GB	1Rx8	BLM2K8G44C19U4B	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	8GB	1Rx8	BLM2K8G44C19U4R	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	8GB	1Rx8	BLM2K8G44C19U4W	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	16GB	1Rx8	BLM16G44C19U4B	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	16GB	1Rx8	BLM16G44C19U4R	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	16GB	1Rx8	BLM16G44C19U4W	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	16GB	1Rx8	BLM2K16G44C19U4B	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	16GB	1Rx8	BLM2K16G44C19U4R	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	BALLISTIX	16GB	1Rx8	BLM2K16G44C19U4W	SS	Micron		19-19-19-46	1.4v	V	V	V	2666	
4400	CORSAIR	8GB	1Rx8	CMK16GX4M2F4400C19 ver4.31	SS	Samsung		19-19-19-39	1.4v	V	V	V	2133	
4400	G.SKILL	8GB	1Rx8	F4-4400C19D-16GTZSW	SS	Samsung		19-19-19-39	1.4v	V	V	V	2133	
4400	GALAX	8GB	1Rx8	HOF4PXL4B5T4400P19MF162C	SS	Samsung		19-19-19-39	1.4v	V	V	V	2133	
4400	GALAX	8GB	1Rx8	HOF4SXL4B5T4400T18PC162C	SS	Samsung		18-22-22-42	1.5v	V	V	V	2133	
4400	PATRIOT	8GB	1Rx8	PVS416G440C9K	SS	Samsung		19-19-19-39	1.45v	V	V	V	2133	
4400	Thermaltake	8GB	1Rx8	R009D408GX2-4400C19A	SS	Hynix	H5AN8G8NDJR-VKC	19-25-25-45	1.35v	V	V	V	2666	V
4400	Thermaltake	8GB	1Rx8	R022D408GX2-4400C19A	SS	Hynix	H5AN8G8NDJR-VKC	19-25-25-45	1.35v	V	V	V	2666	V
4400	Thermaltake	8GB	1Rx8	R016D408GX2-4400C19A	SS	Hynix	H5AN8G8NDJR-VKC	19-25-25-45	1.45v	V	V	V	2666	V
4400	V-Color	8GB	1Rx8	TL8G4819D-E6PRSWK	SS	Hynix D		19-26-26-46	1.5v	V	V	V	2666	V
4333	CORSAIR	8GB	1Rx8	CMK16GX4M2E4333C19R ver4.31	SS	Samsung		19-26-26-46	1.4v	V	V	V	2133	
4333	CORSAIR	8GB	1Rx8	CMK32GX4M4K4333C19 ver4.31	SS	Samsung		19-26-26-46	1.5v	V	V	V	2133	
4266	ADATA	8GB	1Rx8	AX4U426638G19-BR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-SR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-DR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-QR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-BR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-SR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-DR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	ADATA	8GB	1Rx8	AX4U426638G19-QR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4266	CORSAIR	8GB	1Rx8	CMK16GX4M2B4266C19R ver4.31	SS	Samsung		19-26-26-46	1.4v	V	V	V	2133	
4200	CORSAIR	8GB	1Rx8	CMK64GX4M8X4200C19 ver4.31	SS	Samsung		19-25-25-45	1.45v	V	V	V	2133	
4266	CORSAIR	8GB	1Rx8	CMK32GX4M4K4266C19 ver4.31	SS	Samsung		19-26-26-46	1.45v	V	V	V	2133	
4266	CORSAIR	8GB	1Rx8	CMT32GX4M4K4266C19 ver4.31	SS	Samsung		19-26-26-46	1.45v	V	V	V	2133	V
4266	CORSAIR	8GB	1Rx8	CMT164GX4M8X4266C19 ver4.31	SS	Samsung		19-26-26-46	1.45v	V	V	V	2133	V
4266	G.SKILL	8GB	1Rx8	F4-4266C19D-16GTZA	SS	Samsung		19-19-19-39	1.4v	V	V	V	2133	
4266	G.SKILL	8GB	1Rx8	F4-4266C19D-16GTZR	SS	Samsung		19-19-19-39	1.4v	V	V	V	2133	
4266	G.SKILL	8GB	1Rx8	F4-4266C17Q-32GTZR	SS	Samsung		17-18-18-38	1.45v	V	V	V	2133	
4266	GALAX	8GB	1Rx8	HOF4KXL4B5T4266T19MF162C	SS	Samsung		19-19-19-39	1.4v	V	V	V	2133	
4266	HyperX	8GB	1Rx8	HX442C19PB3K2/16	SS	Samsung		19-26-26-45	1.4v	V	V	V	2400	
4266	HyperX	8GB	1Rx8	HX442C19PB3K2/16	SS	Hynix		19-26-26-45	1.4v	V	V	V	2400	
4266	KLEVV	8GB	1Rx8	KD48GUH80-42B190Y	SS	Hynix		19-26-26-46	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-BR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-SR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-QR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-BR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-SR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-QR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-ST60	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-SR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-SB80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-ST41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-SR41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DT60	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DR80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DB80	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DT41	SS	Samsung		19-19-19-39	1.4v	V	V	V	2666	V
4133	ADATA	8GB	1Rx8	AX4U413338G19-DR41	SS	Samsung		19-19-19-39	1.4v	V				

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
4133	ADATA	8GB	1Rx8	AX4U413338G19J-ST41	SS	SpecTek		19-23-23-45	1.4v	V	V	V	2666		V
4133	ADATA	8GB	1Rx8	AX4U413338G19J-SR41	SS	SpecTek		19-23-23-45	1.4v	V	V	V	2666		V
4133	ADATA	8GB	1Rx8	AX4U413338G19J-DT60	SS	SpecTek		19-23-23-45	1.4v	V	V	V	2666		V
4133	ADATA	8GB	1Rx8	AX4U413338G19J-DR80	SS	SpecTek		19-23-23-45	1.4v	V	V	V	2666		V
4133	ADATA	8GB	1Rx8	AX4U413338G19J-DT41	SS	SpecTek		19-23-23-45	1.4v	V	V	V	2666		V
4133	ADATA	8GB	1Rx8	AX4U413338G19J-DR41	SS	SpecTek		19-23-23-45	1.4v	V	V	V	2666		V
4133	Apacer	8GB	1Rx8	AHU08GGB41CNU5H EK_16GA7_GGBK2	SS	Samsung		19-21-21-41	1.35v	V		V	2133		
4133	ASTRA GEAR	8GB	1Rx8	AHL19E6SD8G8E8G41K	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	ASTRA GEAR	8GB	1Rx8	AHD1900SD8G8E8G41K	SS	Hynix		19-24-24-44	1.35v	V		V	2666		
4133	CORSAIR	8GB	1Rx8	CMK32GX4M4E4133C19R ver4.31	SS	Samsung		19-25-25-45	1.4v	V		V	2133		
4133	CORSAIR	8GB	1Rx8	CMK64GX4M8X4133C19 ver4.31	SS	Samsung		19-25-25-45	1.4v	V	V	V	2133		
4133	CORSAIR	8GB	1Rx8	CMK32GX4M4K4133C19 ver4.31	SS	Samsung		19-25-25-45	1.4v	V	V	V	2133		
4133	G.SKILL	8GB	1Rx8	F4-4133C19D-16GTZA	SS	Samsung		19-21-21-41	1.35v	V		V	2133		
4133	G.SKILL	8GB	1Rx8	F4-4133C19D-16GTZK	SS	Samsung		19-21-21-41	1.35v	V	V	V	2133		
4133	G.SKILL	8GB	1Rx8	F4-4133C19D-16GTZC	SS	Samsung		19-19-19-39	1.35v	V		V	2133		
4133	G.SKILL	8GB	1Rx8	F4-4133C19D-16GTZR	SS	Samsung		19-19-19-39	1.35v	V	V	V	2133		V
4133	G.SKILL	8GB	1Rx8	F4-4133C19Q-32GTZR	SS	Samsung		19-21-21-41	1.4v	V	V	V	2133		V
4133	G.SKILL	8GB	1Rx8	F4-4133C17Q-32GTZR	SS	Samsung		17-17-17-37	1.4v	V	V	V	2133		V
4133	HyperX	8GB	1Rx8	HX441C19PB3J8	SS	Samsung		19-23-23-45	1.35v	V		V	2400		
4133	HyperX	8GB	1Rx8	HX441C19PB3K2/16	SS	Samsung		19-23-23-45	1.35v	V		V	2400		
4133	Team	8GB	1Rx8	TCD48G4133C18FBK	SS			18-18-18-38	1.4v	V	V	V	2400		
4133	V-Color	8GB	1Rx8	TL8G41819D-I2PRAAK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-I2PRGPK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-I2PRGYK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-I2PRSWK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-I2PRASF	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E0P2AAK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E0P2GRK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E0P2GBK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E0P2SOK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E0P25FK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E6PRAAK	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E6PRAAS	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E6PRNBS	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E6PRNFS	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E6PRNWS	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	8GB	1Rx8	TL8G41819D-E6PRNPS	SS	Hynix		19-24-24-44	1.35v	V		V	2666		V
4133	V-Color	16GB	2Rx8	TL1641819A-E6PRSWK	SS	Hynix A		19-26-26-46	1.40v	V		V	2666		
4133	ZADAK	8GB	1Rx8	ZD4-SPR41C22-16GYBD	SS			19-21-21-42	1.4v	V	V	V	2666		V
4000	ADATA	8GB	1Rx8	AHU400038G18-QRS	SS	Samsung		18-19-19-39	1.4v	V	V	V	2133		V
4000	Apacer	8GB	1Rx8	AHU08GGB40CMU90 EK_08G28_GJG	SS			19-21-21-41	1.35v	V		V	2133		
4000	BALLISTIX	8GB	1Rx8	BLM8G40C18U4B	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		
4000	BALLISTIX	8GB	1Rx8	BLM8G40C18U4R	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		
4000	BALLISTIX	8GB	1Rx8	BLM8G40C18U4W	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		
4000	BALLISTIX	8GB	1Rx8	BLM2K8G40C18U4B	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		
4000	BALLISTIX	8GB	1Rx8	BLM2K8G40C18U4R	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		
4000	BALLISTIX	8GB	1Rx8	BLM2K8G40C18U4W	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		
4000	BALLISTIX	8GB	1Rx8	BLM8G40C18U4BL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	8GB	1Rx8	BLM8G40C18U4RL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	8GB	1Rx8	BLM8G40C18U4WL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	8GB	1Rx8	BLM2K8G40C18U4BL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	8GB	1Rx8	BLM2K8G40C18U4RL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	8GB	1Rx8	BLM2K8G40C18U4WL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4B	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4R	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4W	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4B	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4R	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4W	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4BL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4RL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4WL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4BL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4RL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4WL	SS	Micron		18-19-19-39	1.35v	V	V	V	2666		V
4000	CORSAIR	8GB	1Rx8	CMK32GX4M4B4000C19R ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V	V	2133		
4000	CORSAIR	8GB	1Rx8	CMK16GX4M2B4000C19R ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V	V	2133		
4000	CORSAIR	8GB	1Rx8	CMK64GX4M8B4000C19 ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V	V	2133		
4000	CORSAIR	8GB	1Rx8	CMW32GX4M4K4000C19 ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V	V	2133		
4000	CORSAIR	8GB	1Rx8	CMK96GX4M12P4000C19	SS	Samsung		19-23-23-45	1.35v	V	V	V	2133		
4000	CORSAIR	8GB	1Rx8	CMT32GX4M4K4000C19 ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V	V	2133		V
4000	CORSAIR	8GB	1Rx8	CMK16GX4M2Z4000C18 ver 3.31	SS	Micron		18-22-22-42	1.35v	V		V	2133		
4000	CORSAIR	8GB	1Rx8	CMW32GX4M4Z4000C18 ver 3.31	SS	Micron		18-22-22-42	1.35v	V	V	V	2133		V
4000	CORSAIR	16GB	2Rx8	CMK32GX4M2Z4000C19 ver 4.31	DS	Samsung		19-23-23-45	1.35v	V		V	2133		
4000	CORSAIR	16GB	2Rx8	CMK32GX4M2Z4000C18 ver 3.31	DS	Micron		18-22-22-42	1.35v	V		V	2133		
4000	G.SKILL	8GB	1Rx8	F4-4000C19D-16GTZSW	SS	Samsung		19-21-21-41	1.35v	V	V	V	2133		
4000	G.SKILL	8GB	1Rx8	F4-4000C18Q-32GTZ	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
4000	G.SKILL	8GB	1Rx8	F4-4000C18D-16GTZ	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
4000	G.SKILL	8GB	1Rx8	F4-4000C18D-16GTZR	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		V
4000	G.SKILL	8GB	1Rx8	F4-4000C18Q2-64GTZR	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		V
4000	G.SKILL	8GB	1Rx8	F4-4000C18Q-32GVK	SS			18-22-22-42	1.35v	V	V	V	2133		
4000	G.SKILL	16GB	2Rx8	F4-4000C19D-32GTZR	DS	Samsung		19-19-19-39	1.35v	V		V	2133		V
4000	GALAX	8GB	1Rx8	HOF4CALCS4000M19SF162C	SS	Samsung		19-25-25-45	1.4v	V		V	2133		
4000	GALAX	8GB	1Rx8	HOF4CXL4CST4000M18ND162C	SS	Samsung		18-20-20-40	1.35v	V		V	2133		
4000	GALAX	8GB	1Rx8	HOF4TJL4BST4000M17MG162C	SS	Samsung		17-19-19-38	1.45v	V		V	2133		V
4000	HyperX	8GB	1Rx8	HX440C19PB3J8	SS	Samsung		19-21-21-42	1.35v	V	V	V	2400		
4000	HyperX	8GB	1Rx8	HX440C19PB3K2/16	SS	Samsung		19-21-21-42	1.35v	V	V	V	2400		
4000	HyperX	8GB	1Rx8	HX440C19PB3A/8	SS	Samsung		19-21-21-42	1.35v	V	V	V	2400		V
4000	HyperX	8GB	1Rx8	HX440C19PB3AK2/16	SS	Samsung		19-21-21-42	1.35v	V	V	V	2400		V
4000	HyperX	8GB	1Rx8	HX440C19PB3A/8	SS	Hynix D		19-23-23-42	1.35v	V	V	V	2400		V
4000	HyperX	8GB	1Rx8	HX440C19PB3AK2/16	SS	Hynix D		19-23-23-42	1.35v	V	V	V	2400		V
4000	KLEVV	8GB	1Rx8	KD48GU880-40B190X	SS	Hynix		19-25-25-45	1.						

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support	XMP	Native	ECC	RGB
										2	4			
4000	Team	8GB	1Rx8	TF1D416G4000HC18JDC01	SS	Hynix		18-22-22-42	1.35v	V	V	V	2400	V
4000	Team	8GB	1Rx8	TF2D416G4000HC18JDC01	SS	Hynix		18-22-22-42	1.35v	V	V	V	2400	V
4000	Team	8GB	1Rx8	TF1D48G4000HC18JBK	SS	Hynix D		18-22-22-42	1.35v	V	V	V	2400	V
4000	Team	8GB	1Rx8	TF1D416G4000HC18JDC01	SS	Hynix D		18-22-22-42	1.35v	V	V	V	2400	V
4000	Team	16GB	2Rx8	TDZAD416G4000HC18JBK	DS	Hynix		18-22-22-42	1.35v	V	V	V	2400	V
4000	Team	16GB	2Rx8	TDZAD432G4000HC18JDC01	DS	Hynix		18-22-22-42	1.35v	V	V	V	2400	V
4000	Thermaltake	8GB	1Rx8	R009D408GX2-4000C19A	SS	Hynix	H5AN8GB8NDJR-VKC	19-23-23-42	1.35v	V	V	V	2666	V
4000	Thermaltake	8GB	1Rx8	R022D408GX2-4000C19A	SS	Hynix	H5AN8GB8NDJR-VKC	19-23-23-42	1.35v	V	V	V	2666	V
4000	Thermaltake	8GB	1Rx8	R016D408GX2-4000C19A	SS	Hynix	H5AN8GB8NDJR-VKC	19-23-23-42	1.35v	V	V	V	2666	V
4000	V-Color	8GB	1Rx8	TL8G40819X-E6PRSWSN	SS	Nanya		19-24-24-44	1.35v	V	V	V	2666	V
4000	V-Color	8GB	1Rx8	TL8G40819X-E6PRSWKN	SS	Nanya		19-24-24-44	1.35v	V	V	V	2666	V
3866	Apacer	8GB	1Rx8	AHU08GG8B38CJU5H EK 16GA7.GGBK2	SS	Samsung		18-22-22-42	1.35v	V	V	V	2133	
3866	CORSAIR	8GB	1Rx8	CMK32GX4M4B3866C18R ver 4.31	SS	Samsung		18-22-22-40	1.35v	V	V	V	2133	
3800	CORSAIR	16GB	2Rx8	CMK128GX4M8X3800C19 ver 4.31	DS	Samsung		19-19-19-39	1.35v	V	V	V	2133	
3866	G.SKILL	8GB	1Rx8	F4-3866C18Q-32GTZR	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133	V
3800	G.SKILL	8GB	1Rx8	F4-3800C14Q-32GTZN	SS	Samsung		14-16-16-36	1.5v	V	V	V	2133	V
3866	G.SKILL	16GB	2Rx8	F4-3866C18D-32GTZR	DS	Samsung		18-18-18-38	1.35v	V	V	V	2133	V
3733	Apacer	8GB	1Rx8	AHU08GG8B37CEU5H EK 16GA6.GFBK2	SS			17-19-19-39	1.35v	V	V	V	2133	
3733	CORSAIR	8GB	1Rx8	CMK32GX4M4B3733C17R ver4.31	SS	Samsung		17-19-19-39	1.35v	V	V	V	2133	
3733	G.SKILL	16GB	2Rx8	F4-3733C17Q-64GTZR	DS	Samsung		17-19-19-39	1.35v	V	V	V	2133	V
3733	HyperX	8GB	1Rx8	HX437C19FB3A/8	SS	Hynix		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	8GB	1Rx8	HX437C19FB3AK2/16	SS	Hynix		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	8GB	1Rx8	HX437C19FB3/8	SS	Micron		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	8GB	1Rx8	HX437C19FB3K2/16	SS	Micron		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	16GB	2Rx8	HX437C19FB3A/16	DS	Micron		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	16GB	2Rx8	HX437C19FB3AK2/32	DS	Micron		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	16GB	2Rx8	HX437C19FB3/16	DS	Hynix		19-23-23	1.35v	V	V	V	2400	V
3733	HyperX	16GB	2Rx8	HX437C19FB3K2/32	DS	Hynix		19-23-23	1.35v	V	V	V	2400	V
3600	AORUS	8GB	1Rx8	GP-AR36C18S8K2HU416R	SS	Hynix		18-19-19-39	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-BRZ1	SS	Samsung		16-18-18	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G17-SRZ1	SS	Samsung		16-18-18	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G17-DRZ1	SS	Samsung		16-18-18	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G17-QRZ1	SS	Samsung		16-18-18	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G17-BR80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-SR80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DR80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-QR80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-BR41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-SR41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DR41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-QR41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-SB30	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G18A-SR30	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DB30	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DR30	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G18A-ST60	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-SR80	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-SB80	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-ST41	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-SR41	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DW60	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DT60	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DR80	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DB80	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DT41	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G18A-DR41	SS	Hynix		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-ST60	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-SR80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-SB80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-ST41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-SR41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17F-DT60	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DT60	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DR80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DB80	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DT41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17-DR41	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	8GB	1Rx8	AX4U360038G17F-BT60	SS	Samsung		17-18-18-38	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G14C-DT60	DS	Samsung B		14-15-15-35	1.45v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G14C-DT50	DS	Samsung B		14-15-15-35	1.45v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G14C-DW50	DS	Samsung B		14-15-15-35	1.45v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-ST50	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-SW50	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-ST41	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-ST60	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DT50	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DW40	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DT41	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-BT60	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DT60	DS	SpecTek		18-20-20-42	1.35v	V	V	V	2666	V
3600	Apacer	8GB	1Rx8	AHU08GG8B38CJU5H	SS			18-18-18-42	1.35v	V	V	V	2400	
3600	BALLISTIX	8GB	1Rx8	BL8G36C16U4B	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	
3600	BALLISTIX	8GB	1Rx8	BL8G36C16U4R	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	
3600	BALLISTIX	8GB	1Rx8	BL8G36C16U4W	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	
3600	BALLISTIX	8GB	1Rx8	BL2K8G36C16U4B	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	
3600	BALLISTIX	8GB	1Rx8	BL2K8G36C16U4R	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	
3600	BALLISTIX	8GB	1Rx8	BL2K8G36C16U4W	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	
3600	BALLISTIX	8GB	1Rx8	BL8G36C16U4BL	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	8GB	1Rx8	BL8G36C16U4RL	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	8GB	1Rx8	BL8G36C16U4WL	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	8GB	1Rx8	BL2K8G36C16U4BL2K	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	8GB	1Rx8	BL2K8G36C16U4RL	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	8GB	1Rx8	BL2K8G36C16U4WL	SS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	16GB	2Rx8	BL16G36C16U4BL	DS	Micron		16-18-18-38	1.35v	V	V	V	2666	V
3600	BALLISTIX	16GB	2Rx8	BL16G36C16U4RL	DS	Micron</								

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
3600	BALLISTIX	32GB	2Rx8	BL32G36C16U4B	DS	Micron		16-18-18-38	1.35v	V	V	V	2666		
3600	BALLISTIX	32GB	2Rx8	BL32G36C16URB	DS	Micron		16-18-18-38	1.35v	V	V	V	2666		
3600	BALLISTIX	32GB	2Rx8	BL32G36C16UWB	DS	Micron		16-18-18-38	1.35v	V	V	V	2666		
3600	BALLISTIX	32GB	2Rx8	BL2K32G36C16U4B	DS	Micron		16-18-18-38	1.35v	V	V	V	2666		
3600	BALLISTIX	32GB	2Rx8	BL2K32G36C16URB	DS	Micron		16-18-18-38	1.35v	V	V	V	2666		
3600	BALLISTIX	32GB	2Rx8	BL2K32G36C16UWB	DS	Micron		16-18-18-38	1.35v	V	V	V	2666		
3600	ChunWell	8GB	1Rx8	MD4U083618	SS			18-20-20-40	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C18R ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	2Rx8	CMK16GX4M2B3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	2Rx8	CMK16GX4M2B3600C18R ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C16R	SS			16-16-16-36	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	1Rx8	CMW32GX4M4C3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133	V	
3600	CORSAIR	8GB	1Rx8	CMT32GX4M4C3600C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V	2133	V	
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4D3600C18 ver3.31	SS	Samsung		18-22-22-42	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	1Rx8	CMT16GX4M2C3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V	2133	V	
3600	CORSAIR	8GB	1Rx8	CMK16GX4M2Z3600C18 ver3.31	SS	Micron		18-22-22-42	1.35v	V	V	V	2133		
3600	CORSAIR	8GB	1Rx8	CMW16GX4M2Z3600C18 ver3.31	SS	Micron		18-22-22-42	1.35v	V	V	V	2133	V	
3600	CORSAIR	8GB	1Rx8	CMW32GX4M4D3600C18 ver 3.31	SS	Micron		18-22-22-42	1.35v	V	V	V	2133	V	
3600	CORSAIR	16GB	2Rx8	CMK64GX4M8B3600C18 ver 4.31	DS	Samsung		18-19-19-39	1.35v	V	V	V	2133		
3600	CORSAIR	16GB	2Rx8	CMT64GX4M4Z3600C16 ver 4.31	DS	Samsung		16-18-18-36	1.35v	V	V	V	2133	V	
3600	CORSAIR	32GB	2Rx8	CMK64GX4M2Z3600C18 ver 5.49	DS	Hynix		18-22-22-42	1.35v	V	V	V	2133		
3600	CORSAIR	32GB	2Rx8	CMK256GX4M8D3600C18 ver 5.49	DS	Hynix		18-22-22-42	1.35v	V	V	V	2133		
3600	G.SKILL	8GB	1Rx8	F4-3600C17Q-32GVK	SS			17-18-18-38	1.35v	V	V	V	2133		
3600	G.SKILL	8GB	1Rx8	F4-3600C16D-16GVK	SS			16-16-16-36	1.35v	V	V	V	2133		
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GFZ	SS			16-18-18-38	1.35v	V	V	V	2133		
3600	G.SKILL	8GB	1Rx8	F4-3600C17Q-32GTZR	SS			17-18-18-38	1.35v	V	V	V	2133	V	
3600	G.SKILL	8GB	1Rx8	F4-3600C18D-16GTZR	SS			18-22-22-42	1.35v	V	V	V	2133		
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GTZNC	SS			16-19-19-39	1.35v	V	V	V	2133	V	
3600	G.SKILL	8GB	1Rx8	F4-3600C18Q-32GVK	SS	Samsung		18-22-22-42	1.35v	V	V	V	2133		
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GVKC	SS	Hynix		16-19-19-39	1.35v	V	V	V	2133		
3600	G.SKILL	16GB	2Rx8	F4-3600C17Q-64GTZ	DS			17-19-19-39	1.35v	V	V	V	2133		
3600	G.SKILL	16GB	2Rx8	F4-3600C16Q-64GTZR	DS			16-16-16-36	1.35v	V	V	V	2133	V	
3600	G.SKILL	16GB	2Rx8	F4-3600C16Q-64GTZRC	DS			16-19-19-39	1.35v	V	V	V	2133	V	
3600	G.SKILL	16GB	2Rx8	F4-3600C18Q-64GVK	DS	Samsung		18-22-22-42	1.35v	V	V	V	2133		
3600	G.SKILL	16GB	2Rx8	F4-3600C16Q-64GVKC	DS	Hynix		16-19-19-39	1.35v	V	V	V	2133		
3600	G.SKILL	32GB	2Rx8	F4-3600C18Q-128GVK	DS	Samsung		18-22-22-42	1.35v	V	V	V	2666		
3600	GEIL	8GB	1Rx8	GLS416GB3600C16ADC	SS			16-18-18-36	1.35v	V	V	V	2133	V	
3600	GEIL	8GB	1Rx8	GAEXS416GB3600C18ADC	SS			18-20-20-40	1.35v	V	V	V	2133	V	
3600	GALAX	8GB	1Rx8	HOF4CAL1CST3600C17LD162C	SS			17-18-18-38	1.35v	V	V	V	2133		
3600	HyperX	8GB	1Rx8	HX436C17PB48	SS	Hynix		17-19-19	1.35v	V	V	V	2400		
3600	HyperX	8GB	1Rx8	HX436C17PB4K2/16	SS	Hynix		17-19-19	1.35v	V	V	V	2400		
3600	HyperX	8GB	1Rx8	HX436C17PB4K4/32	SS	Hynix		17-19-19	1.35v	V	V	V	2400		
3600	HyperX	8GB	1Rx8	HX436C17PB4A/8	SS	Hynix		17-19-19	1.35v	V	V	V	2400	V	
3600	HyperX	8GB	1Rx8	HX436C17PB4AK2/16	SS	Hynix		17-19-19	1.35v	V	V	V	2400	V	
3600	HyperX	8GB	1Rx8	HX436C17PB4AK4/32	SS	Hynix		17-19-19	1.35v	V	V	V	2400	V	
3600	HyperX	8GB	1Rx8	HX436C17FB3A/8	SS	Hynix		17-21-21	1.35v	V	V	V	2400	V	
3600	HyperX	8GB	1Rx8	HX436C17FB3AK2/16	SS	Hynix		17-21-21	1.35v	V	V	V	2400	V	
3600	HyperX	8GB	1Rx8	HX436C17FB3AK4/32	SS	Hynix		17-21-21	1.35v	V	V	V	2400	V	
3600	HyperX	8GB	1Rx8	HX436C17FB38	SS	Micron		17-21-21	1.35v	V	V	V	2400		
3600	HyperX	8GB	1Rx8	HX436C17FB3K2/16	SS	Micron		17-21-21	1.35v	V	V	V	2400		
3600	HyperX	8GB	1Rx8	HX436C17FB3K4/32	SS	Micron		17-21-21	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3/16	SS	Samsung		17-19-19-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3K2/32	SS	Samsung		17-19-19-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3K4/64	SS	Samsung		17-19-19-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3/16	SS	Hynix		17-19-19-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3K2/32	SS	Hynix		17-19-19-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3K4/64	SS	Hynix		17-19-19-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17FB3A/16	SS	Micron		17-21-21	1.35v	V	V	V	2400	V	
3600	HyperX	16GB	1Rx8	HX436C17FB3AK2/32	SS	Micron		17-21-21	1.35v	V	V	V	2400	V	
3600	HyperX	16GB	1Rx8	HX436C17FB3AK4/64	SS	Micron		17-21-21	1.35v	V	V	V	2400	V	
3600	HyperX	16GB	1Rx8	HX436C17FB3/16	SS	Hynix		17-21-21	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17FB3K2/32	SS	Hynix		17-21-21	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17FB3K4/64	SS	Hynix		17-21-21	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C18FB4/16	SS	Micron E		18-22-22-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C18FB4K2/32	SS	Micron E		18-22-22-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C18FB4K4/64	SS	Micron E		18-22-22-39	1.35v	V	V	V	2400		
3600	HyperX	16GB	1Rx8	HX436C17PB3A/16	DS	Micron J		17-19-19-39	1.35v	V	V	V	2400	V	
3600	HyperX	16GB	1Rx8	HX436C17PB3AK2/32	DS	Micron J		17-19-19-39	1.35v	V	V	V	2400	V	
3600	HyperX	16GB	1Rx8	HX436C17PB3AK4/64	DS	Micron J		17-19-19-39	1.35v	V	V	V	2400	V	
3600	HyperX	32GB	2Rx8	HX436C18FB3/32	DS	Micron E		18-22-22-39	1.35v	V	V	V	2400		
3600	HyperX	32GB	2Rx8	HX436C18FB3K2/64	DS	Micron E		18-22-22-39	1.35v	V	V	V	2400		
3600	HyperX	32GB	2Rx8	HX436C18FB3K4/128	DS	Micron E		18-22-22-39	1.35v	V	V	V	2400		
3600	HyperX	32GB	2Rx8	HX436C18PB3A/32	DS	Micron E		18-22-22-39	1.35v	V	V	V	2400	V	
3600	HyperX	32GB	2Rx8	HX436C18PB3AK2/64	DS	Micron E		18-22-22-39	1.35v	V	V	V	2400	V	
3600	HyperX	32GB	2Rx8	HX436C18PB3AK4/128	DS	Micron E		18-22-22-39	1.35v	V	V	V	2400	V	
3600	KLEVV	8GB	1Rx8	KD48GU880-36A180W	SS	Hynix		18-22-22-42	1.35v	V	V	V	2133	V	
3600	KLEVV	8GB	1Rx8	KD48GU880-36A180X	SS	Hynix		18-22-22-42	1.35v	V	V	V	2133	V	
3600	KLEVV	8GB	1Rx8	KD48GU880-36A180T	SS	Hynix		18-22-22-42	1.35v	V	V	V	2133		
3600	KLEVV	8GB	1Rx8	KD48GU880-36A180U	SS	Hynix		18-22-22-42	1.35v	V	V	V	2133		
3600	KLEVV	16GB	2Rx8	KD4AGU880-36A180W	DS	Hynix		18-22-22-42	1.35v	V	V	V	2133	V	
3600	KLEVV	16GB	2Rx8	KD4AGU880-36A180X	DS	Hynix		18-22-22-42	1.35v	V	V	V	2666	V	
3600	KLEVV	16GB	2Rx8	KD4AGU880-36A180T	DS	Hynix		18-22-22-42	1.35v	V	V	V	2666		
3600	KLEVV	16GB	2Rx8	KD4AGU880-36A180U	DS	Hynix		18-22-22-42	1.35v	V	V	V	2666		
3600	Neo Forza	8GB	1Rx8	NMUD480E82-3600DB21	SS	Hynix		18-19-19-39	1.35v	V	V	V	2666		
3600	Neo Forza	8GB	1Rx8	NMGD480E82-3600DF20	SS	Hynix		19-19-19-39	1.35v	V	V	V	2666	V	
3600	Neo Forza	8GB	1Rx8	NMGD480E82-3600DE20	SS	Hynix		19-19-19-39	1.35v	V	V	V	2666	V	
3600	PATRIOT	8GB	1Rx8	PVS416G360C9K	SS	Hynix		18-22-22-42	1.35v	V	V	V	2133		
3600	Team	8GB	1Rx8	TF5D416G3600HC18EDC01	SS	Samsung		18-20-20-44	1.35v	V	V	V	2400		
3600	Team	8GB	1Rx8	TF6D416G3600HC18EDC01	SS	Samsung		18-20-20-44	1.35v	V	V	V	2400		
3600	Team	8GB	1Rx8	TF1D416G3600HC18EDC01	SS	Samsung		18-20-20-44	1.35v	V	V	V	2400		
3600	Team	8GB	1Rx8	TF2D416G3600HC18EDC01	SS	Samsung		18-20-20-44	1.35v	V	V	V	2400		

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support	XMP	Native	ECC	RGB
										2	4			
3600	Team	16GB	2Rx8	TDZAD432G3600HC18JDC01	DS	Hynix	H5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	2Rx8	TDZRD432G3600HC18JDC01	DS	Hynix	H5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	2Rx8	TDZGD432G3600HC18JDC01	DS	Hynix	H5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	2Rx8	TF5D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF6D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF1D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF2D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF5D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF6D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF1D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF2D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-NK	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF5D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF6D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF1D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF2D416G3600HC18JBK	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF5D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF6D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF1D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF2D432G3600HC18JDC01	DS	Hynix	D5AN8G8NDJR-VKC	18-22-22-42	1.35V	V	V	V	2400	V
3600	Team	16GB	1Rx8	TDZAD416G3600HC18JBK	SS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	1Rx8	TF10D416G3600HC18JBK	SS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	1Rx8	TDZAD432G3600HC18JDC01	SS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	1Rx8	TF10D432G3600HC18JDC01	SS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	1Rx8	TDZAD464G3600HC18JQC01	SS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	1Rx8	TF10D464G3600HC18JQC01	SS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	16GB	2Rx8	TDZAD416G3600HC18JBK	DS	Samsung		14-15-15-35	1.45V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF10D416G3600HC18JBK	DS	Samsung		14-15-15-35	1.45V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TDZAD432G3600HC18JDC01	DS	Samsung		14-15-15-35	1.45V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF10D432G3600HC18JDC01	DS	Samsung		14-15-15-35	1.45V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TDZAD464G3600HC18JQC01	DS	Samsung		14-15-15-35	1.45V	V	V	V	2400	V
3600	Team	16GB	2Rx8	TF10D464G3600HC18JQC01	DS	Samsung		14-15-15-35	1.45V	V	V	V	2400	V
3600	Team	32GB	2Rx8	TDZAD432G3600HC18JBK	DS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	32GB	2Rx8	TF10D432G3600HC18JBK	DS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	32GB	2Rx8	TDZAD464G3600HC18JDC01	DS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	32GB	2Rx8	TF10D464G3600HC18JQC01	DS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	32GB	2Rx8	TDZAD4128G3600HC18JQC01	DS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Team	32GB	2Rx8	TF10D4128G3600HC18JQC01	DS	Hynix		18-22-22-42	1.35V	V	V	V	2400	
3600	Thermaltake	32GB	2Rx8	R009R432GX2-3600C18A	DS	Hynix	H5ANAG8NAJR-VKC	18-20-20-39	1.35V	V	V	V	2666	V
3600	Thermaltake	32GB	2Rx8	R022R432GX2-3600C18A	DS	Hynix	H5ANAG8NAJR-VKC	18-20-20-39	1.35V	V	V	V	2666	V
3600	Thermaltake	16GB	2Rx8	R009D416GX2-3600C18A	SS	Hynix	H5ANAG8NAJR-VKC	18-20-20-39	1.35V	V	V	V	2666	V
3600	Thermaltake	16GB	2Rx8	R022D416GX2-3600C18A	SS	Hynix	H5ANAG8NAJR-VKC	18-20-20-39	1.35V	V	V	V	2666	V
3600	Thermaltake	8GB	1Rx8	CL-W262-CA00SW-A	SS	Hynix	H5AN8G8NCR-VKC	18-19-19-39	1.35V	V	V	V	2666	
3600	Thermaltake	8GB	1Rx8	R009D408GX2-3600C18A Ver 1.1.2	SS	Hynix	H5AN8G8NCR-VKC	18-22-22-42	1.35V	V	V	V	2666	V
3600	V-Color	8GB	1Rx8	TL48G368BNRGRB18	SS	Hynix		18-19-19-39	1.35V	V	V	V	2666	V
3600	V-Color	16GB	2Rx8	TL16G36818A-E6PRAAK	DS	Hynix		18-22-22-42	1.35V	V	V	V	2666	V
3600	V-Color	16GB	2Rx8	TL16G36818A-E6PRAAS	DS	Hynix		18-22-22-42	1.35V	V	V	V	2666	V
3600	V-Color	16GB	2Rx8	TL16G36818A-E6PRNRS	DS	Hynix		18-22-22-42	1.35V	V	V	V	2666	V
3600	V-Color	16GB	2Rx8	TL16G36818A-E6PRNWS	DS	Hynix		18-22-22-42	1.35V	V	V	V	2666	V
3600	V-Color	16GB	2Rx8	TL16G36818A-E6PRNYS	DS	Hynix		18-22-22-42	1.35V	V	V	V	2666	V
3600	V-Color	16GB	2Rx8	TL16G36818A-E6PRNBS	DS	Hynix		18-22-22-42	1.35V	V	V	V	2666	V
3466	CORSAIR	8GB	1Rx8	CMK32GX4M4B3466C16	SS			16-18-18-36	1.35V	V	V	V	2133	
3466	CORSAIR	8GB	1Rx8	CMK32GX4M4B3466C16R	SS			16-18-18-36	1.35V	V	V	V	2133	
3466	CORSAIR	8GB	2Rx8	CMK16GX4M2B3466C16	DS			16-18-18-36	1.35V	V	V	V	2133	
3466	CORSAIR	8GB	2Rx8	CMK16GX4M2B3466C16R	DS			16-18-18-36	1.35V	V	V	V	2133	
3466	CORSAIR	8GB	1Rx8	CMK16GX4M2Z3466C16 ver4.31	SS	Samsung		16-18-18-36	1.35V	V	V	V	2133	
3466	CORSAIR	16GB	2Rx8	CMT64GX4M4C3466C16 ver4.31	DS	Samsung		16-18-18-36	1.35V	V	V	V	2133	V
3400	G.SKILL	8GB	2Rx8	F4-3400C16Q-32GTZ	DS			16-18-18-38	1.35V	V	V	V	2133	
3400	G.SKILL	8GB	1Rx8	F4-3400C16Q2-64GTZ	SS	Samsung		16-18-18-38	1.35V	V	V	V	2133	
3466	G.SKILL	8GB	1Rx8	F4-3466C16Q2-64GTZ	SS	Samsung		16-18-18-38	1.35V	V	V	V	2133	
3400	G.SKILL	8GB	2Rx8	F4-3400C16D-16GVK	DS			16-18-18-38	1.35V	V	V	V	2133	
3466	G.SKILL	8GB	1Rx8	F4-3466C16D-16GFX	SS			16-16-16-36	1.35V	V	V	V	2133	
3400	G.SKILL	8GB	1Rx8	F4-3400C16D-16GSXW	SS			16-16-16-36	1.35V	V	V	V	2133	
3400	G.SKILL	16GB	2Rx8	F4-3400C16Q-64GVK	DS	Samsung		16-16-16-36	1.35V	V	V	V	2133	
3466	G.SKILL	16GB	2Rx8	F4-3466C16Q-64GTZ	DS	Samsung		16-18-18-38	1.35V	V	V	V	2133	
3466	G.SKILL	16GB	2Rx8	F4-3466C16Q-64GTZ	DS			16-18-18-38	1.35V	V	V	V	2133	
3466	HyperX	8GB	1Rx8	HX434C16FB3AK4/32	SS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	8GB	1Rx8	HX434C16FB3AK2/16	SS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	8GB	1Rx8	HX434C16FB3A/8	SS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	8GB	1Rx8	HX434C16FB3K4/32	SS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	8GB	1Rx8	HX434C16FB3K2/16	SS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	8GB	1Rx8	HX434C16FB3/8	SS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	2Rx8	HX434C16FB3AK4/64	DS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	2Rx8	HX434C16FB3AK2/32	DS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	2Rx8	HX434C16FB3A/16	DS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	2Rx8	HX434C16FB3K4/64	DS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	2Rx8	HX434C16FB3K2/32	DS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	2Rx8	HX434C16FB3/16	DS	Samsung		16-18-18-36	1.35V	V	V	V	3000	V
3466	HyperX	16GB	1Rx8	HX434C17FB4/16	SS	Micron E		17-21-21-39	1.35V	V	V	V	2400	
3466	HyperX	16GB	1Rx8	HX434C17FB4K2/32	SS	Micron E		17-21-21-39	1.35V	V	V	V	2400	
3466	HyperX	16GB	1Rx8	HX434C17FB4K4/64	SS	Micron E		17-21-21-39	1.35V	V	V	V	2400	
3466	HyperX	32GB	2Rx8	HX434C17FB3A/32	DS	Micron E		17-21-21-39	1.35V	V	V	V	2400	V
3466	HyperX	32GB	2Rx8	HX434C17FB3AK2/64	DS	Micron E		17-21-21-39	1.35V	V	V	V	2400	V
3466	HyperX	32GB	2Rx8	HX434C17FB3AK4/128	DS	Micron E		17-21-21-39	1.35V	V	V	V	2400	V
3466	KLEVV	8GB	1Rx8	KD48GU880-34A170X	SS			17-19-19-39	1.35V	V	V	V	2666	
3400	PATRIOT	4GB	1Rx8	PV48G340C6K	SS			CL16	1.35V	V	V	V	2133	
3400	PATRIOT	8GB	1Rx8	PV416G340C6K	SS			CL16	1.35V	V	V	V	2133	
3333	CORSAIR	16GB	2Rx8	CMK64GX4M4B3333C16	DS			16-18-18-36	1.35V	V	V	V	2133	
3333	CORSAIR	16GB	2Rx8	CMK64GX4M4B3333C16R	DS			16-18-18-36	1.35V	V	V	V	2133	
3333	HyperX	8GB	1Rx8	HX433C16PB3K2/16	DS			16-18-18	1.35V	V	V	V	2133	
3333	HyperX	8GB	1Rx8	HX433C16PB3K4/32	SS			16-18-18	1.35V	V	V	V	2133	
3333	HyperX	8GB	1Rx8	HX433C16PB3K2/16	SS			16-18-18	1.35V	V	V	V	2133	
3333	HyperX	16GB	2Rx8	HX433C16PB3/16	DS	Hynix		16-18-18-36	1.35V	V	V	V	2400	
3333	HyperX	16GB	2Rx8	HX433C16PB3K2/32	DS	Hynix		16-18-18-						

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
3200	ADATA	8GB	1Rx8	AX4U320038G16-DSZ1	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	8GB	1Rx8	AX4U320038G16-DB10	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	8GB	1Rx8	AX4U320038G16-DR10	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	8GB	1Rx8	AX4U320038G16-BSZ1	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	8GB	1Rx8	AX4U320038G16-BB10	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	8GB	1Rx8	AX4U320038G16-BR10	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	8GB	1Rx8	AX4U320038G16A-ST60	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-SB80	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-SR80	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DT60	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DW60	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DB80	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DR80	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DB41	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DR41	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-DT41	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	8GB	1Rx8	AX4U320038G16A-BW41	SS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3200	ADATA	16GB	2Rx8	AX4U3200316G16-BR80	SS	Samsung		16-18-18-36	1.35v	V	V	V	2666		V
3200	ADATA	16GB	2Rx8	AX4U3200316G16-SR80	SS	Samsung		16-18-18-36	1.35v	V	V	V	2666		V
3200	ADATA	16GB	2Rx8	AX4U3200316G16-DR80	SS	Samsung		16-18-18-36	1.35v	V	V	V	2666		V
3200	ADATA	16GB	2Rx8	AX4U3200316G16-QR80	SS	Samsung		16-18-18-36	1.35v	V	V	V	2666		V
3200	ADATA	16GB	2Rx8	AX4U3200316G16-SB30	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-SR30	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-DB30	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-DR30	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-DSZ1	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-DB10	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-DR10	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-BSZ1	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-BB10	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	ADATA	16GB	2Rx8	AX4U3200316G16-BR10	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	Apacer	8GB	1Rx8	AH4U08G32C08YNBAA	SS	Hynix		16-18-18-38	1.35v	V	V	V	2133		
3200	Apacer	8GB	1Rx8	D12.2724F8_001	SS	Samsung		22-22-22-52	1.20v	V	V		3200		
3200	BALLISTIX	8GB	1Rx8	BL8G32C16U4B	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	8GB	1Rx8	BL8G32C16U4R	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	8GB	1Rx8	BL8G32C16U4W	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	8GB	1Rx8	BL2K8G32C16U4B	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	8GB	1Rx8	BL2K8G32C16U4R	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	8GB	1Rx8	BL2K8G32C16U4W	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	8GB	1Rx8	BL8G32C16U4BL	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	8GB	1Rx8	BL8G32C16U4RL	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	8GB	1Rx8	BL8G32C16U4WL	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	8GB	1Rx8	BL2K8G32C16U4BL2K	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	8GB	1Rx8	BL2K8G32C16U4RL	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	8GB	1Rx8	BL2K8G32C16U4WL	SS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL16G32C16U4B	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	16GB	2Rx8	BL16G32C16U4R	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	16GB	2Rx8	BL16G32C16U4W	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	16GB	2Rx8	BL2K16G32C16U4B	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL2K16G32C16U4R	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL2K16G32C16U4W	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL16G32C16U4BL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL16G32C16U4RL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL16G32C16U4WL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL2K16G32C16U4BL2K	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL2K16G32C16U4RL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	16GB	2Rx8	BL2K16G32C16U4WL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL32G32C16U4BL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL32G32C16U4RL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL32G32C16U4WL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL2K32G32C16U4BL2K	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL2K32G32C16U4RL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL2K32G32C16U4WL	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		V
3200	BALLISTIX	32GB	2Rx8	BL32G32C16U4B	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	32GB	2Rx8	BL32G32C16U4R	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	32GB	2Rx8	BL32G32C16U4W	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	32GB	2Rx8	BL2K32G32C16U4B	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	32GB	2Rx8	BL2K32G32C16U4R	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	BALLISTIX	32GB	2Rx8	BL2K32G32C16U4W	DS	Micron		16-18-18-36	1.35v	V	V	V	2666		
3200	CORSAIR	4GB	1Rx8	CMK16GX4M4C3200C16	SS	Samsung		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	4GB	1Rx8	CMK16GX4M4C3200C16R	SS	Samsung		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	8GB	1Rx8	CMK64GX4M8B3200C16	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	8GB	1Rx8	CMW32GX4M4C3200C16 ver5.32	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		V
3200	CORSAIR	8GB	1Rx8	CMT32GX4M4C3200C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V	2133		V
3200	CORSAIR	8GB	1Rx8	CMT32GX4M4C3200C16 ver5.32	SS	Hynix		16-18-18-36	1.35v	V	V	V	2133		V
3200	CORSAIR	8GB	1Rx8	CMK16GX4M2Z3200C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16	DS	Micron		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16R	DS	Micron		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16W	DS	Micron		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMK64GX4M4B3200C16	DS	Micron		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16 ver5.39	DS	Hynix		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2D3200C16 ver3.31	DS	Micron		16-19-19-36	1.35v	V	V	V	2133		
3200	CORSAIR	16GB	2Rx8	CMT64GX4M4C3200C16 ver4.31	DS	Samsung		16-18-18-36	1.35v	V	V	V	2133		V
3200	CORSAIR	16GB	2Rx8	CMW32GX4M2Z3200C16 ver3.31	DS	Micron		16-18-18-36	1.35v	V	V	V	2133		V
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2Z3200C16 ver3.31	DS	Micron		16-18-18-36	1.35v	V	V	V	2133		
3200	CORSAIR	32GB	2Rx8	CMK64GX4M2C3200C16 ver 5.49	DS	Hynix		16-18-18-35	1.35	V	V	V	2133		
3200	CORSAIR	32GB	2Rx8	CMK128GX4M4C3200C16 ver 5.49	DS	Hynix		16-18-18-36	1.35	V	V	V	2133		
3200	CORSAIR	32GB	2Rx8	CMT128GX4M4C3200C16 ver 3.44	DS	Micron E		16-18-18-36	1.35	V	V	V	2133		V
3200	CRUCIAL	4GB	1Rx8	CT4G4DFS632A.4FJ1	SS	Micron		22-22-22-52	1.2v	V	V		3200		
3200	CRUCIAL	8GB	1Rx8	CT8G4DFS832A.8FE1	SS	Micron		22-22-22-52	1.2v	V	V		3200		
3200	CRUCIAL	16GB	2Rx8	CT16G4DFD832A.16FE1	DS	Micron		22-22-22-52	1.2v	V	V		3200		
3															

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
3200	G.SKILL	8GB	1Rx8	F4-3200C15Q2-64GVR	SS	Samsung		15-15-15-35	1.35v	V	V	V	2133		
3200	G.SKILL	8GB	1Rx8	F4-3200C14Q-32GFX	SS			14-14-14-34	1.35v	V	V	V	2133		
3200	G.SKILL	8GB	1Rx8	F4-3200C16Q-32GTZR	SS			16-18-18-38	1.35v	V	V	V	2133		V
3200	G.SKILL	16GB	2Rx8	F4-3200C16Q-64GVK	DS	Samsung		16-18-18-38	1.35v	V	V	V	2133		
3200	G.SKILL	16GB	2Rx8	F4-3200C14Q-64GVK	DS	Samsung		14-14-14-34	1.35v	V	V	V	2133		
3200	G.SKILL	16GB	2Rx8	F4-3200C14Q2-128GTZ	DS	Samsung		14-14-14-34	1.35v	V	V	V	2133		
3200	G.SKILL	32GB	2Rx8	F4-3200C16Q-128GVK	DS			16-18-18-38	1.35v	V	V	V	2666		
3200	HyperX	4GB	1Rx8	HX432C16FB3K4/16	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	4GB	1Rx8	HX432C16FB3K2/8	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	4GB	1Rx8	HX432C16FB3/4	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	8GB	1Rx8	HX432C16PB3K4/32	SS	Hynix		16-18-18	1.35v	V	V	V	2133		
3200	HyperX	8GB	1Rx8	HX432C16PB3K2/16	SS	Hynix		16-18-18	1.35v	V	V	V	2133		
3200	HyperX	8GB	1Rx8	HX432C16PB3A/8	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	8GB	1Rx8	HX432C16PB3AK2/16	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	8GB	1Rx8	HX432C16PB3AK4/32	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	8GB	1Rx8	HX432C16PB3AK4/32	SS	Hynix		16-18-18	1.35v	V	V	V	2666		V
3200	HyperX	8GB	1Rx8	HX432C16PB3AK2/16	SS	Hynix		16-18-18	1.35v	V	V	V	2666		V
3200	HyperX	8GB	1Rx8	HX432C16PB3A/8	SS	Hynix		16-18-18	1.35v	V	V	V	2666		V
3200	HyperX	8GB	1Rx8	HX432C16PB3K4/32	SS	Hynix		16-18-18	1.35v	V	V	V	2666		
3200	HyperX	8GB	1Rx8	HX432C16PB3K2/16	SS	Hynix		16-18-18	1.35v	V	V	V	2666		
3200	HyperX	8GB	1Rx8	HX432C16PB3/8	SS	Hynix		16-18-18	1.35v	V	V	V	2666		
3200	HyperX	16GB	2Rx8	HX432C16PB3/16	DS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3K2/32	DS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3K4/64	DS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3AK4/64	DS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16PB3AK2/32	DS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16PB3/8	DS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16PB3K4/64	DS	Micron		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16PB3AK2/32	DS	Micron		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16FB3A/16	DS	Micron		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16FB3K4/64	DS	Micron		16-18-18-36	1.35v	V	V	V	2400		V
3200	HyperX	16GB	2Rx8	HX432C16FB3K2/32	DS	Micron		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3/16	DS	Micron		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3/16	DS	Kingston C		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3K2/32	DS	Kingston C		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3K4/64	DS	Kingston C		16-18-18-36	1.35v	V	V	V	2400		
3200	HyperX	16GB	1Rx8	HX432C16FB4/16	SS	Samsung M		16-20-20-39	1.35v	V	V	V	2400		
3200	HyperX	16GB	1Rx8	HX432C16FB4K2/32	SS	Samsung M		16-20-20-39	1.35v	V	V	V	2400		
3200	HyperX	16GB	1Rx8	HX432C16FB4K4/64	SS	Samsung M		16-20-20-39	1.35v	V	V	V	2400		
3200	Kingston	4GB	1Rx8	KVR32N22S6/4	SS	Micron		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	4GB	1Rx8	KVR32N22S6/4	SS	Micron		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	8GB	1Rx8	KVR32N22S8/8	SS	Micron		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	8GB	1Rx8	KVR32N22S8/8	SS	Micron		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	16GB	2Rx8	KVR32N22D8/16	DS	Micron		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	16GB	2Rx8	KVR32N22D8/16	DS	Micron		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	16GB	2Rx8	KVR32N22S8/16	SS	Micron E		22-22-22-52	1.2V	V	V	V	3200		
3200	Kingston	32GB	2Rx8	KVR32N22D8/32	DS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	HyperX	32GB	2Rx8	HX432C16FB3/32	DS	Micron		16-20-20	1.35v	V	V	V	2400		
3200	HyperX	32GB	2Rx8	HX432C16FB3K2/64	DS	Micron		16-20-20	1.35v	V	V	V	2400		
3200	HyperX	32GB	2Rx8	HX432C16FB3K4/128	DS	Micron		16-20-20	1.35v	V	V	V	2400		
3200	HyperX	32GB	2Rx8	HX432C16PB3/32	DS	Micron E		16-19-19-36	1.35v	V	V	V	2400		
3200	HyperX	32GB	2Rx8	HX432C16PB3K2/64	DS	Micron E		16-19-19-36	1.35v	V	V	V	2400		
3200	HyperX	32GB	2Rx8	HX432C16PB3K4/128	DS	Micron E		16-19-19-36	1.35v	V	V	V	2400		
3200	HyperX	32GB	2Rx8	HX432C16PB3K8/256	DS	Micron E		16-19-19-36	1.35v	V	V	V	2400		
3200	PATRIOT	4GB	1Rx8	PV48G320C6K	SS			CL16	1.35v	V	V	V	2133		
3200	PATRIOT	8GB	1Rx8	PV416G320C6K	SS			CL16	1.35v	V	V	V	2133		
3200	PATRIOT	8GB	1Rx8	PVR416G320C6K	SS			16-18-18-36	1.35v	V	V	V	2133		V
3200	PATRIOT	8GB	1Rx8	PVR416G320C6KW	SS			16-18-18-36	1.35v	V	V	V	2133		V
3200	PATRIOT	16GB	2Rx8	PV432G320C6K	DS			CL16	1.35v	V	V	V	2133		
3200	KLEVV	8GB	1Rx8	IM48GU88A32-GI8EZ	DS			16-18-18	1.35v	V	V	V	2133		V
3200	KLEVV	8GB	1Rx8	KD48GU880-32A160T	SS			16-18-18-38	1.35v	V	V	V	2666		
3200	KLEVV	8GB	1Rx8	KD48GU880-32A160X	SS	Hynix		16-18-18-38	1.35v	V	V	V	2666		V
3200	Ramonte	8GB	1Rx8	TR-D43208DLA2	SS			20-20-20-47	1.35v	V	V	V	2666		V
3200	Thermaltake	8GB	1Rx8	CL-W251-CA00SW-A	SS	Hynix		16-18-18-38	1.35v	V	V	V	2666		
3200	Thermaltake	8GB	1Rx8	CL-W252-CA00SW-A	SS	Hynix		16-18-18-38	1.35v	V	V	V	2666		
3200	Thermaltake	8GB	1Rx8	R009D08GX2-3200C16A Ver 1.1.2	SS	Hynix	H5AN8G8NCJR-VKC	16-18-18-38	1.35v	V	V	V	2666		V
3200	Thermaltake	8GB	1Rx8	R009D08GX2-3200C16A Ver:1.1.3	SS	Hynix	H5AN8G8NCJR-VKC	16-18-18-36	1.35v	V	V	V	2666		V
3200	Team	4GB	1Rx8	TPD44G3200HC2201	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	4GB	1Rx8	TPRD44G3200HC2201	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	4GB	1Rx8	TPD48G3200HC22DC01	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	8GB	1Rx8	TPD48G3200HC2201	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	8GB	1Rx8	TPRD48G3200HC2201	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	8GB	1Rx8	TPD416G3200HC22DC01	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	8GB	1Rx8	TPRD416G3200HC22DC01	SS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	8GB	1Rx8	TDPGD48G3200HC14BBK	SS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	8GB	1Rx8	TF10D48G3200HC14BBK	SS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	8GB	1Rx8	TDPGD416G3200HC14BDC01	SS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	8GB	1Rx8	TF10D416G3200HC14BDC01	SS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	8GB	1Rx8	TF10D432G3200HC14BQC01	SS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	16GB	2Rx8	TPD416G3200HC2201	DS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	16GB	2Rx8	TPRD416G3200HC2201	DS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	16GB	2Rx8	TPRD432G3200HC22DC01	DS	Micron		22-22-22-52	1.2v	V	V	V	3200		
3200	Team	16GB	1Rx8	TED416G3200C2201	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TPD416G3200HC2201	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TPRD416G3200HC2201	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TED432G3200C22DC01	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TPD432G3200HC22DC01	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TPRD432G3200HC22DC01	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TED464G3200C22QC01	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TPD464G3200HC22QC01	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TPRD464G3200HC22QC01	SS	SpecTek		22-22-22-52	1.2v	V	V	V	2400		
3200	Team	16GB	1Rx8	TLZGD416G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TLZRD416G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TDZGD41											

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
3200	Team	16GB	1Rx8	TDZRD416G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TF10D416G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TLZGD432G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TLZRD432G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TZGD432G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TDZRD432G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TF10D432G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TLZGD464G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TLZRD464G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TZGD464G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TDZRD464G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	1Rx8	TF10D464G3200HC16C01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	16GB	2Rx8	TDPGD416G3200HC14BBK	DS	Samsung		14-14-14-34	1.35v	V	V	V	3200		V
3200	Team	16GB	2Rx8	TF10D416G3200HC14BBK	DS	Samsung		14-14-14-34	1.35v	V	V	V	3200		V
3200	Team	16GB	2Rx8	TDPGD432G3200HC14BDC01	DS	Samsung		14-14-14-34	1.35v	V	V	V	3200		V
3200	Team	16GB	2Rx8	TF10D432G3200HC14BDC01	DS	Samsung		14-14-14-34	1.35v	V	V	V	3200		V
3200	Team	16GB	2Rx8	TDPGD464G3200HC14BQC01	DS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	16GB	2Rx8	TF10D464G3200HC14BQC01	DS	Samsung		14-14-14-34	1.35v	V	V	V	2400		V
3200	Team	32GB	2Rx8	TE432G3200C2201	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TPD432G3200HC2201	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TPRD432G3200HC2201	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TE464G3200C22DC01	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TPD464G3200HC22DC01	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TPRD464G3200HC22DC01	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TE4128G3200C22QC01	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TPD4128G3200HC22QC01	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TPRD4128G3200HC22QC01	DS	SpecTek		22-22-22-52	1.2v	V	V		2400		
3200	Team	32GB	2Rx8	TDZRD432G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TZGD432G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TLZGD432G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TLZRD432G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TF10D432G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TDZRD464G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TZGD464G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TLZGD464G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TLZRD464G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TF10D464G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TDZRD4128G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TZGD4128G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TLZGD4128G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Team	32GB	2Rx8	TLZRD4128G3200HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3200	Neo Forza	8GB	1Rx8	NMGD480E82-3200DF21	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		
3200	Neo Forza	8GB	1Rx8	NMGD480E82-3200DF20	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3200	Neo Forza	8GB	1Rx8	NMGD480E82-3200DE20	SS	Hynix		16-18-18-36	1.35v	V	V	V	2400		V
3000	ADATA	8GB	1Rx8	AX4U300038G16-BRZ1	SS	SPECTEK		16-18-18-38	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-SRZ1	SS	SPECTEK		16-18-18-38	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-DRZ1	SS	SPECTEK		16-18-18-38	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-QRZ1	SS	SPECTEK		16-18-18-38	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-BRZ1	SS	SPECTEK		16-18-18-36	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-SRZ1	SS	SPECTEK		16-18-18-36	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-DRZ1	SS	SPECTEK		16-18-18-36	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16-QRZ1	SS	SPECTEK		16-18-18-36	1.35v	V	V	V	2666		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-SB30	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-SR30	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-DR10	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-DR10	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-DSZ1	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-DB30	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-DR30	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-BB10	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-BR10	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	8GB	1Rx8	AX4U300038G16A-BSZ1	SS	Samsung		16-20-20-38	1.35v	V	V	V	2133		
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-ST60	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-SB80	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-DT60	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-DR80	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-DB80	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-DR41	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-DT41	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-BR80	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-BR41	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	ADATA	16GB	2Rx8	AX4U3000316G16A-BT41	DS	Micron		16-20-20-38	1.35v	V	V	V	2133		V
3000	BALLISTIX	8GB	1Rx8	BL8G30C15U4B	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	8GB	1Rx8	BL8G30C15U4R	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	8GB	1Rx8	BL8G30C15U4W	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	8GB	1Rx8	BL2K8G30C15U4B	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	8GB	1Rx8	BL2K8G30C15U4R	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	8GB	1Rx8	BL2K8G30C15U4W	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	8GB	1Rx8	BL8G30C15U4BL	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	8GB	1Rx8	BL8G30C15U4RL	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	8GB	1Rx8	BL8G30C15U4WL	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	8GB	1Rx8	BL2K8G30C15U4BL2K	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	8GB	1Rx8	BL2K8G30C15U4RL	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	8GB	1Rx8	BL2K8G30C15U4WL	SS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	16GB	2Rx8	BL16G30C15U4B	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	16GB	2Rx8	BL16G30C15U4R	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	16GB	2Rx8	BL16G30C15U4W	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	16GB	2Rx8	BL2K16G30C15U4B	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	16GB	2Rx8	BL2K16G30C15U4R	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	16GB	2Rx8	BL2K16G30C15U4W	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		
3000	BALLISTIX	16GB	2Rx8	BL16G30C15U4BL	DS	Micron		15-16-16-35	1.35v	V	V	V	2666		V
3000	BALLISTIX	16GB	2Rx8	BL16G30C15U4RL	DS	Micron		15-16-16-35	1.35v	V</					

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
3000	CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15	SS			15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15B	SS			15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15R	SS			15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	4GB	1Rx8	CMK8GX4M2B3000C15	SS			15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	4GB	1Rx8	CMK8GX4M2B3000C15R	SS			15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15 ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15B ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15R ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15W ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15B ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15R ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15W ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	2Rx8	CM4X8GC3000C15K4-CN ver4.24	DS	Samsung		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15 ver3.32	SS	Micron		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2C3000C15 ver3.31	SS	Micron		16-18-18-36	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMR16GX4M2C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMW32GX4M4C3000C15 ver5.32	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMW64GX4M8C3000C15 ver5.32	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	8GB	1Rx8	CMT32GX4M4C3000C15 ver5.32	SS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	16GB	2Rx8	CMK32GX4M2B3000C15 ver5.39	DS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	16GB	2Rx8	CMK128GX4M8B3000C16	DS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	CORSAIR	16GB	2Rx8	CMR32GX4M2C3000C15 ver4.31	DS	Samsung		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	32GB	2Rx8	CMK64GX4M2D3000C16 ver3.40	DS	Micron		16-20-20-38	1.2v	V	V	V	V	2133	
3000	CORSAIR	32GB	2Rx8	CMK64GX4M2C3000C15 ver 5.49	DS	Hynix		15-17-17-35	1.35v	V	V	V	V	2133	
3000	CORSAIR	32GB	2Rx8	CMW128GX4M4D3000C16 ver 5.49	DS	Hynix		16-20-20-38	1.35v	V	V	V	V	2133	
3000	CORSAIR	32GB	2Rx8	CMW256GX4M8D3000C16 ver 3.44	DS	Micron E		16-20-20-38	1.35v	V	V	V	V	2133	
3000	G.SKILL	4GB	1Rx8	F4-3000C15Q-16GVR	SS			15-15-15-35	1.35v	V	V	V	V	2133	
3000	G.SKILL	8GB	2Rx8	F4-3000C15Q-32GRK	DS			15-15-15-35	1.35v	V	V	V	V	2133	
3000	G.SKILL	8GB	1Rx8	F4-3000C15Q2-64GVR	SS			15-15-15-35	1.35v	V	V	V	V	2133	
3000	G.SKILL	8GB	1Rx8	F4-3000C16D-16GTZR	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	G.SKILL	16GB	2Rx8	F4-3000C14Q2-128GVKD	DS			14-14-14-34	1.35v	V	V	V	V	2133	
3000	GALAX	8GB	1Rx8	HOF4CAL1CS3000G16LD162C	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	GALAX	8GB	2Rx8	Gamer II RGB DDR4 3000 16G(8G*2)	DS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	GALAX	8GB	1Rx8	GAM4GIL4BMT3000G16LD081C	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	GEIL	8GB	2Rx8	GSB416GB3000C16ADC	DS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	GEIL	8GB	2Rx8	GSB432GB3000C16AQC	DS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	GEIL	8GB	1Rx8	GLS416GB3000C16ADC	SS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	GEIL	8GB	1Rx8	GLS432GB3000C16AQC	SS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	GEIL	8GB	2Rx8	GLS432GB3000C16ADC	DS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	GEIL	8GB	2Rx8	GLS464GB3000C16AQC	DS			16-18-18-36	1.35v	V	V	V	V	2133	
3000	HyperX	4GB	1Rx8	HX430C15FB3K4/16	SS	Hynix		15-17-17	1.35v	V	V	V	V	2133	
3000	HyperX	4GB	1Rx8	HX430C15FB3K2/8	SS	Hynix		15-17-17	1.35v	V	V	V	V	2133	
3000	HyperX	4GB	1Rx8	HX430C15FB3/4	SS	Hynix		15-17-17	1.35v	V	V	V	V	2133	
3000	HyperX	8GB	1Rx8	HX430C15PB3K4/32	SS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	8GB	1Rx8	HX430C15PB3K2/16	SS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	8GB	1Rx8	HX430C15PB3/8	SS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	8GB	1Rx8	HX430C15PB3AK4/32	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	8GB	1Rx8	HX430C15PB3AK2/16	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	8GB	1Rx8	HX430C15PB3A/8	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	8GB	1Rx8	HX430C15FB3K4/32	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	8GB	1Rx8	HX430C15FB3K2/16	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	8GB	1Rx8	HX430C15FB3/8	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	8GB	1Rx8	HX430C15FB3/8	SS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	16GB	2Rx8	HX430C15PB3K4/64	DS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3K2/32	DS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3K8/128	DS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3K4/64	DS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3K2/32	DS	Hynix		C15	1.35v	V	V	V	V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3AK4/64	DS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	16GB	2Rx8	HX430C15PB3AK2/32	DS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	16GB	2Rx8	HX430C15PB3A/16	DS	Hynix		15-17-17-36	1.35v	V	V	V	V	2400	
3000	HyperX	16GB	2Rx8	HX430C15FB3AK4/64	DS	Hynix		15-17-17	1.35v	V	V	V	V	2666	
3000	HyperX	16GB	2Rx8	HX430C15FB3AK2/32	DS	Hynix		15-17-17	1.35v	V	V	V	V	2666	
3000	HyperX	16GB	2Rx8	HX430C15FB3A/16	DS	Hynix		15-17-17	1.35v	V	V	V	V	2666	
3000	HyperX	16GB	2Rx8	HX430C15FB3K4/64	DS	Hynix		15-17-17	1.35v	V	V	V	V	2666	
3000	HyperX	16GB	2Rx8	HX430C15FB3K2/32	DS	Hynix		15-17-17	1.35v	V	V	V	V	2666	
3000	HyperX	16GB	2Rx8	HX430C15FB3/16	DS	Hynix		15-17-17	1.35v	V	V	V	V	2666	
3000	HyperX	16GB	1Rx8	HX430C16FB4/16	SS	Samsung M		16-19-19-36	1.35v	V	V	V	V	2400	
3000	HyperX	16GB	1Rx8	HX430C16FB4K2/32	SS	Samsung M		16-19-19-36	1.35v	V	V	V	V	2400	
3000	HyperX	16GB	1Rx8	HX430C16FB4K4/64	SS	Samsung M		16-19-19-36	1.35v	V	V	V	V	2400	
3000	HyperX	32GB	2Rx8	HX430C16FB3/32	DS	Micron		16-19-19	1.35v	V	V	V	V	2400	
3000	HyperX	32GB	2Rx8	HX430C16FB3K2/64	DS	Micron		16-19-19	1.35v	V	V	V	V	2400	
3000	HyperX	32GB	2Rx8	HX430C16FB3K4/128	DS	Micron		16-19-19	1.35v	V	V	V	V	2400	
3000	HyperX	32GB	2Rx8	HX430C16PB3A/32	DS	Micron E		16-18-18-36	1.35v	V	V	V	V	2400	
3000	HyperX	32GB	2Rx8	HX430C16PB3AK2/64	DS	Micron E		16-18-18-36	1.35v	V	V	V	V	2400	
3000	HyperX	32GB	2Rx8	HX430C16PB3AK4/128	DS	Micron E		16-18-18-36	1.35v	V	V	V	V	2400	
3000	KLEVV	4GB	1Rx8	KM4B4GX1A-3000-15-16-16-36-0	SS			15-16-16-36	1.35v	V	V	V	V	2400	
3000	KLEVV	4GB	1Rx8	KM4Z4GX1A-3000-15-16-16-36-1	SS			15-16-16-36	1.35v	V	V	V	V	2400	
3000	KLEVV	8GB	1Rx8	KM4B8GX1A-3000-15-16-16-36-0	SS			15-16-16-36	1.35v	V	V	V	V	2400	
3000	KLEVV	8GB	1Rx8	KM4Z8GX1A-3000-15-16-16-36-1	SS			15-16-16-36	1.35v	V	V	V	V	2400	
3000	KLEVV	16GB	2Rx8	KM4B16X1A-3000-15-16-16-36-0	DS			15-16-16-36	1.35v	V	V	V	V	2400	
3000	KLEVV	16GB	2Rx8	KM4Z16X1A-3000-15-16-16-36-0	DS			15-16-16-36	1.35v	V	V	V	V	2400	
3000	PATRIOT	4GB	1Rx8	PV48G3000C6K	SS			CL16	1.35v	V	V	V	V	2133	
3000	PATRIOT	8GB	1Rx8	PV416G3000C6K	SS			CL16	1.35v	V	V	V	V	2133	
3000	Team	4GB	1Rx8	TLRED416G3000HC16CQC01	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	Team	4GB	1Rx8	TDGED416G3000HC16CQC01	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	Team	4GB	1Rx8	TDRED416G3000HC16CDC01	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	Team	4GB	1Rx8	TLRED48G3000HC16CDC01	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	Team	4GB	1Rx8	TDGED48G3000HC16CDC01	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	Team	8GB	1Rx8	TF1D416G3000HC16CDC01	SS			16-18-18-38	1.35v	V	V	V	V	2133	
3000	Team	8GB	1Rx8	TF2D416G3000HC16CDC01	SS			16-18							

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
3000	Team	16GB	1Rx8	TLZGD432G3000HC16CDC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TLZRD432G3000HC16CDC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TDZGD432G3000HC16CDC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TDZRD432G3000HC16CDC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TLZGD464G3000HC16CQC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TLZRD464G3000HC16CQC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TDZGD464G3000HC16CQC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	16GB	1Rx8	TDZRD464G3000HC16CQC01	SS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TLZGD432G3000HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TLZRD432G3000HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TDZGD432G3000HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TDZRD432G3000HC16C01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TLZGD464G3000HC16CDC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TLZRD464G3000HC16CDC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TDZGD464G3000HC16CDC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TDZRD464G3000HC16CDC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TLZGD4128G3000HC16CQC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TLZRD4128G3000HC16CQC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TDZGD4128G3000HC16CQC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Team	32GB	2Rx8	TDZRD4128G3000HC16CQC01	DS	Micron		16-18-18-38	1.35v	V	V	V	2400		
3000	Thermaltake	8GB	1Rx8	R09D408GX2-3000C16A Ver 1.1.2	SS	Hynix	H5AN8G8NMF-R-KVC	16-18-18-38	1.35v	V	V	V	2666		V
3000	Thermaltake	8GB	1Rx8	R09D408GX2-3000C16B Ver.1.1.3	SS	Hynix	H5AN8G8NCJR-KVC	16-18-18-38	1.35v	V	V	V	2666		V
3000	V-Color	8GB	1Rx8	TL48G30S816B	SS			CL16	1.35v	V	V	V	2133		
3000	V-Color	8GB	1Rx8	TL48G30S816RB	SS			16-18-18-38	1.35v	V	V	V	2133		V
2933	CORSAIR	16GB	2Rx8	CMK128GX4M8Z2933C16 ver 4.31	DS	Samsung		16-18-18-36	1.35v	V	V	V	2133		
2933	HyperX	8GB	1Rx8	HX429C15PB3AK4/32	SS			CL15	1.35v	V	V	V	2933		V
2933	Kingston	8GB	1Rx8	KVR29N21S8/8	SS	Micron		21-21-21-47	1.2v	V	V	V	2933		
2933	Kingston	16GB	2Rx8	KVR29N21D8/16	DS	Micron		21-21-21-47	1.2v	V	V	V	2933		
2800	G.SKILL	8GB	2Rx8	F4-2800C15Q2-64GRK	DS			15-16-16-35	1.25v	V	V	V	2133		
2800	G.SKILL	16GB	2Rx8	F4-2800C15Q2-128GRKD	DS			15-15-15-35	1.35v	V	V	V	2133		
2666	ADATA	8GB	1Rx8	AD4U266638G-S	SS	Hynix		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G-R	SS	Hynix		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G-D	SS	Hynix		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G19-B	SS	spectek		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G19-S	SS	spectek		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G19-R	SS	spectek		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G19-D	SS	spectek		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-BR30	SS	Hynix		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-SB30	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-SR30	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-DB30	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-DR30	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-DS21	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-DB10	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-DR10	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-BS21	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-BB10	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	8GB	1Rx8	AX4U266638G16-BR10	SS	spectek		16-18-18-38	1.2	V	V	V	2666		
2666	ADATA	16GB	2Rx8	AX4U2666316G16-BRZ1	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		
2666	ADATA	16GB	2Rx8	AX4U2666316G16-SRZ1	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		
2666	ADATA	16GB	2Rx8	AX4U2666316G16-DRZ1	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		
2666	ADATA	16GB	2Rx8	AX4U2666316G16-QRZ1	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		
2666	ADATA	16GB	2Rx8	AX4U2666316G16-BR80	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		V
2666	ADATA	16GB	2Rx8	AX4U2666316G16-SR80	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		V
2666	ADATA	16GB	2Rx8	AX4U2666316G16-DR80	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		V
2666	ADATA	16GB	2Rx8	AX4U2666316G16-QR80	SS	spectek		16-16-16-39	1.2v	V	V	V	2666		V
2666	ADATA	16GB	2Rx8	AD4U2666316G19-B	DS	Hynix		19-19-19-43	1.2	V	V	V	2666		
2666	ADATA	32GB	2Rx8	AD4U2666732G19-B	DS	spectek		19-19-19-43	1.2v	V	V	V	2666		
2666	ADATA	32GB	2Rx8	AD4U2666732G19-RGN	DS	spectek		19-19-19-43	1.2v	V	V	V	2666		
2666	ADATA	32GB	2Rx8	AD4U2666732G19-SGN	DS	spectek		19-19-19-43	1.2v	V	V	V	2666		
2666	ADATA	32GB	2Rx8	AD4U2666732G19-B	DS	spectek		19-19-19-43	1.2v	V	V	V	2666		
2666	Apacer	4GB	2Rx16	AJ04GGB26CQWBGH	DS	spectek B		19-19-19-43	1.2v	V	V	V	2666		
2666	Apacer	4GB	1Rx16	AJ04GGB26CQTBGH	SS	spectek B		19-19-19-43	1.2v	V	V	V	2666		
2666	Apacer	8GB	1Rx16	EL08G2V.GNH	SS	Hynix		19-19-19-43	1.2v	V	V	V	2666		
2666	Apacer	8GB	1Rx8	AU08GGB26CQYBGH	SS			CL19	1.2v	V	V	V	2666		
2666	Apacer	8GB	1Rx8	AU08GGB26CQYBGH	SS	Samsung C		19-19-19-43	1.2v	V	V	V	2666		
2666	Apacer	16GB	2Rx8	AU16GGB26CQYBGH	DS			CL19	1.2v	V	V	V	2666		
2666	Apacer	16GB	2Rx8	AU16GGB26CQYBGH	DS	Samsung C		19-19-19-43	1.2v	V	V	V	2666		
2666	BALLISTIX	8GB	1Rx8	BL8G26C16U4B	SS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	8GB	1Rx8	BL8G26C16U4R	SS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	8GB	1Rx8	BL8G26C16U4W	SS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	8GB	1Rx8	BL2K8G26C16U4B	SS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	8GB	1Rx8	BL2K8G26C16U4R	SS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	8GB	1Rx8	BL2K8G26C16U4W	SS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL16G26C16U4B	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL16G26C16U4R	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL16G26C16U4W	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL16G26C16U4B	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL2K16G26C16U4B	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL2K16G26C16U4R	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	BALLISTIX	16GB	2Rx8	BL2K16G26C16U4W	DS	Micron		16-18-18-38	1.2v	V	V	V	2666		
2666	CORSAIR	4GB	1Rx8	CMV4GX4M1A2666C18	SS			18-18-18-43	1.2v	V	V	V	2666		
2666	CORSAIR	4GB	1Rx8	CMK8GX4M2A2666C16 ver3.22	SS	Micron		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	2Rx8	CMK64GX4M8A2666C16	DS	Samsung		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16 ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16B ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16R ver .21	DS	Micron		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16W ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16B ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16R ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16W ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	2133		
2666	CORSAIR	8GB	1Rx8	CMK16GX4M2A											

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
2666	CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS			16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16W	DS			16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver 4.31	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16W ver 4.31	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS			16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver3.31	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16W ver3.31	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMV16GX4M1A2666C18	DS			18-18-18-43	1.2v	V	V	V	V	2666	
2666	CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver 3.32	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16 ver 4.32	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	32GB	2Rx8	CMV32GX4M1A2666C18	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2666	
2666	CORSAIR	32GB	2Rx8	CMK128GX4M4A2666C16 ver 3.40	DS	spectek		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CORSAIR	32GB	2Rx8	CMK256GX4M8A2666C16 ver 5.49	DS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133	
2666	CRUCIAL	8GB	1Rx8	MTA8ATF1G64AZ-2G6E1	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	CRUCIAL	8GB	1Rx8	CT8G4DFS2666.M8FE	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	CRUCIAL	16GB	2Rx8	CT16G4WFD8266	DS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	V
2666	CRUCIAL	16GB	2Rx8	MTA16ATF2G64AZ-2G6E1	DS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	CRUCIAL	16GB	2Rx8	CT116G4DFD8266.M16FE	DS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	CRUCIAL	32GB	2Rx8	CT32G4DFD8266.16FB1	DS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	GIGABYTE	8GB	1Rx8	GP-GR26C16S8K2HU416	SS	Hynix		16-16-16-35	1.2v	V	V	V	V	2666	
2666	GEIL	4GB	1Rx8	GSB44GB2666C19SC	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	GEIL	4GB	1Rx8	GSB48GB2666C19DC	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	GEIL	4GB	1Rx8	GAFY416GB2666C19QC	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	GEIL	4GB	1Rx8	GLS44GB2666C19SC	SS			19-19-19-43	1.2v	V	V	V	V	2666	V
2666	GEIL	4GB	1Rx8	GLS48GB2666C19DC	SS			19-19-19-43	1.2v	V	V	V	V	2666	V
2666	GEIL	4GB	1Rx8	GLS416GB2666C19OC	SS			19-19-19-43	1.2v	V	V	V	V	2666	V
2666	GEIL	8GB	1Rx8	GSB416GB2666C16ADC	SS			16-18-18-36	1.35v	V	V	V	V	2133	
2666	GEIL	8GB	1Rx8	GSB432GB2666C16AQC	SS			16-18-18-36	1.35v	V	V	V	V	2133	
2666	GEIL	8GB	1Rx8	GSB48GB2666C19SC	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	GEIL	8GB	1Rx8	GSB416GB2666C19DC	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	GEIL	8GB	1Rx8	GAFY432GB2666C19QC	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	GEIL	8GB	2Rx8	GLS416GB2666C16ADC	DS			16-18-18-36	1.35v	V	V	V	V	2133	V
2666	GEIL	8GB	2Rx8	GLS432GB2666C16AQC	DS			16-18-18-36	1.35v	V	V	V	V	2133	V
2666	GEIL	8GB	2Rx8	GLS48GB2666C19SC	DS			19-19-19-43	1.2v	V	V	V	V	2666	V
2666	GEIL	8GB	2Rx8	GLS416GB2666C19DC	DS			19-19-19-43	1.2v	V	V	V	V	2666	V
2666	GEIL	8GB	2Rx8	GLS432GB2666C19QC	DS			19-19-19-43	1.2v	V	V	V	V	2666	V
2666	GLOWAY	16GB	2Rx8	YCT4U2666D19161C	DS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	HyperX	4GB	1Rx8	HX426C16FB3K4/16	SS	Micron		16-18-18	1.2v	V	V	V	V	2133	
2666	HyperX	4GB	1Rx8	HX426C16FB3K2/8	SS	Micron		16-18-18	1.2v	V	V	V	V	2133	
2666	HyperX	4GB	1Rx8	HX426C16FB3/4	SS	Micron		16-18-18	1.2v	V	V	V	V	2133	
2666	HyperX	8GB	1Rx8	HX426C16FB3AK4/32	SS	Hynix		16-18-18	1.2v	V	V	V	V	2666	V
2666	HyperX	8GB	1Rx8	HX426C16FB3AK2/16	SS	Hynix		16-18-18	1.2v	V	V	V	V	2666	V
2666	HyperX	8GB	1Rx8	HX426C16FB3A/8	SS	Hynix		16-18-18	1.2v	V	V	V	V	2666	V
2666	HyperX	8GB	1Rx8	HX426C16FB3K4/32	SS	Hynix		16-18-18	1.2v	V	V	V	V	2666	
2666	HyperX	8GB	1Rx8	HX426C16FB3K2/16	SS	Hynix		16-18-18	1.2v	V	V	V	V	2666	
2666	HyperX	8GB	1Rx8	HX426C16FB3/8	SS	Hynix		16-18-18	1.2v	V	V	V	V	2666	
2666	HyperX	16GB	2Rx8	HX426C13PB3K4/64	DS	Hynix		CL13	1.35	V	V	V	V	2400	
2666	HyperX	16GB	2Rx8	HX426C13PB3K2/32	DS	Hynix		CL13	1.35	V	V	V	V	2400	
2666	HyperX	16GB	2Rx8	HX426C13PB3/16	DS	Hynix		CL13	1.35	V	V	V	V	2400	
2666	HyperX	16GB	2Rx8	HX426C16FB3AK4/64	DS	Hynix		16-18-18	1.2v	V	V	V	V	2666	V
2666	HyperX	16GB	2Rx8	HX426C16FB3AK2/32	DS	Hynix		16-18-18	1.2v	V	V	V	V	2666	V
2666	HyperX	16GB	2Rx8	HX426C16FB3A/16	DS	Hynix		16-18-18	1.2v	V	V	V	V	2666	V
2666	HyperX	16GB	2Rx8	HX426C16FB3K4/64	DS	Hynix		16-18-18	1.2v	V	V	V	V	2666	
2666	HyperX	16GB	2Rx8	HX426C16FB3K2/32	DS	Hynix		16-18-18	1.2v	V	V	V	V	2666	
2666	HyperX	16GB	2Rx8	HX426C16FB3/16	DS	Hynix		16-18-18	1.2v	V	V	V	V	2666	
2666	HyperX	16GB	2Rx8	HX426C16FB3/32	DS	Nanya		16-18-18-39	1.2v	V	V	V	V	2666	
2666	HyperX	32GB	2Rx8	HX426C16FB3/32	DS	Samsung M		16-18-18-36	1.2v	V	V	V	V	2666	
2666	HyperX	32GB	2Rx8	HX426C16FB3K2/64	DS	Samsung M		16-18-18-36	1.2v	V	V	V	V	2666	
2666	HyperX	32GB	2Rx8	HX426C16FB3K4/128	DS	Samsung M		16-18-18-36	1.2v	V	V	V	V	2666	
2666	Kingston	4GB	1Rx8	KVR26N19S8L/4-SP	SS	Nanya		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	4GB	1Rx16	KVR26N19S6/4	SS	Nanya C		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Micron		CL19	1.2v	V	V	V	V	2666	
2666	Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Micron		CL19	1.2v	V	V	V	V	2666	
2666	Kingston	8GB	2Rx8	KVR26N19D8L/8-SP	DS	PSC		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	8GB	2Rx8	KVR26N19D8L/8-SP	DS	Nanya		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Nanya C		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Micron		CL19	1.2v	V	V	V	V	2666	
2666	Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Micron		CL19	1.2v	V	V	V	V	2666	
2666	Kingston	16GB	2Rx8	KVR26N19D8L/16-SP	DS	Nanya		CL19	1.2v	V	V	V	V	2666	
2666	Kingston	16GB	2Rx8	KVR26N19D8/16-SP	DS	Nanya		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Nanya C		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Kingston	32GB	2Rx8	KVR26N19D8/32	DS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	KLEVV	4GB	1Rx8	KD44GU481-26N1602	SS			16-18-18-38	1.2v	V	V	V	V	2666	
2666	KLEVV	8GB	1Rx8	KM428GX1N-2666-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V	V	2400	
2666	KLEVV	8GB	2Rx8	KD48GU481-26N1600	DS			16-18-18-38	1.2v	V	V	V	V	2666	
2666	KLEVV	16GB	2Rx8	KM4216X1N-2666-15-15-15-35-1	DS			15-15-15-35	1.2v	V	V	V	V	2400	
2666	KLEVV	16GB	1Rx8	KD4AGU48A-26N1900	SS			19-19-19-43	1.2v	V	V	V	V	2666	
2666	Neo Forza	8GB	1Rx8	NMUD480E82-2666EA10	SS	Hynix		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Neo Forza	16GB	2Rx8	NMUD416E82-2666EA10	DS	Hynix		19-19-19-43	1.2v	V	V	V	V	2666	
2666	ORCA	8GB	1Rx8	RUD408GS2666C1H2	SS			18-18-18-40	1.2v	V	V	V	V	2666	
2666	Samsung	32GB	2Rx8	M378A4G43MB1-CTD	DS	Samsung		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TED416G2666C19QC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TPD416G2666HC19DC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TPRD416G2666HC19QC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TED48G2666C19DC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TPD48G2666HC19DC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TPRD48G2666HC19DC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TED44G2666C1901	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TPD44G2666HC1901	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	4GB	1Rx8	TPRD44G2666HC1901	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	8GB	1Rx8	TED432G2666C19QC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	8GB	1Rx8	TPD432G2666HC19QC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	8GB	1Rx8	TPRD432G2666HC19QC01	SS	Micron		19-19-19-43	1.2v	V	V	V	V	2666	
2666	Team	8GB</													

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
2666	Team	8GB	1Rx8	TED48G2666C1901	SS	Micron		19-19-19-43	1.2v	V	V				
2666	Team	8GB	1Rx8	TPD48G2666HC1901	SS	Micron		19-19-19-43	1.2v	V	V				
2666	Team	8GB	1Rx8	TPRD48G2666HC1901	SS	Micron		19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TED464G2666C19QC01	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TE432G2666C19DC01	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TPD432G2666HC19DC01	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TPRD432G2666HC19DC01	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TED416G2666C1901	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TPD416G2666HC1901	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	2Rx8	TPRD416G2666HC1901	DS			19-19-19-43	1.2v	V	V				
2666	Team	16GB	1Rx8	TED416G2666C1901	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TPD416G2666HC1901	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TPRD416G2666HC1901	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TE432G2666C19DC01	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TPD432G2666HC19DC01	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TPRD432G2666HC19DC01	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TE464G2666C19QC01	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TPD464G2666HC19QC01	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TPRD464G2666HC19QC01	SS	SpecTek		19-19-19-43	1.2v	V	V				2400
2666	Team	16GB	1Rx8	TLZGD416G2666HC18H01	SS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	16GB	1Rx8	TLZRD416G2666HC18H01	SS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	16GB	1Rx8	TLZGD432G2666HC18HDC01	SS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	16GB	1Rx8	TLZRD432G2666HC18HDC01	SS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	16GB	1Rx8	TLZGD464G2666HC18HQC01	SS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	16GB	1Rx8	TLZRD464G2666HC18HQC01	SS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	32GB	2Rx8	TPD432G2666HC1901	DS	SpecTek		19-19-19-43	1.2v	V	V				2666
2666	Team	32GB	2Rx8	TPRD432G2666HC1901	DS	SpecTek		19-19-19-43	1.2v	V	V				2666
2666	Team	32GB	2Rx8	TPD464G2666HC19DC01	DS	SpecTek		19-19-19-43	1.2v	V	V				2666
2666	Team	32GB	2Rx8	TPRD464G2666HC19DC01	DS	SpecTek		19-19-19-43	1.2v	V	V				2666
2666	Team	32GB	2Rx8	TLZGD432G2666HC18H01	DS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	32GB	2Rx8	TLZRD432G2666HC18H01	DS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	32GB	2Rx8	TLZGD464G2666HC18HDC01	DS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	32GB	2Rx8	TLZRD464G2666HC18HDC01	DS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	32GB	2Rx8	TLZGD4128G2666HC18HQC01	DS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2666	Team	32GB	2Rx8	TLZRD4128G2666HC18HQC01	DS	SpecTek		18-18-18-43	1.2v	V	V	V			2400
2400	CORSAIR	4GB	1Rx8	CMK8GX4M2D2400C14 ver3.11	SS	Micron		14-16-16-31	1.2v	V	V	V			2133
2400	CORSAIR	8GB	2Rx8	CMK64GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V			2133
2400	CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C16	SS			16-16-16-39	1.2v	V	V	V			2133
2400	CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C16R	SS			16-16-16-39	1.2v	V	V	V			2133
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16	SS			16-16-16-39	1.2v	V	V	V			2133
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16R	SS			16-16-16-39	1.2v	V	V	V			2133
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16 ver5.30	SS	Hynix		16-16-16-39	1.2v	V	V	V			2133
2400	CORSAIR	8GB	1Rx8	CMK32GX4M4A2400C14 ver3.31	SS	Micron		14-16-16-31	1.2v	V	V	V			2133
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2D2400C14 ver4.21	SS	Samsung		14-16-16-31	1.2v	V	V	V			2133
2400	CORSAIR	16GB	2Rx8	CMK128GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V			2133
2400	CORSAIR	16GB	2Rx8	CMK128GX4M8A2400C14 ver5.30	DS	Hynix		14-16-16-31	1.2v	V	V	V			2133
2400	CORSAIR	16GB	2Rx8	CMK64GX4M4A2400C16 ver3.32	DS	Micron		16-16-16-39	1.2v	V	V	V			2133
2400	CORSAIR	32GB	2Rx8	CMK64GX4M2A2400C16 ver3.44	DS	Micron		16-16-16-39	1.2v	V	V	V			2400
2400	CRUCIAL	8GB	1Rx8	CT8G4DFS824A.8FB1	SS	Micron		CL17	1.2v	V	V				2400
2400	CRUCIAL	8GB	2Rx8	CT8G4WFD824A.18FB1	DS	Micron		CL17	1.2v	V	V				2400 V
2400	CRUCIAL	16GB	2Rx8	CT16G4WFD824A.18FB1	DS	Micron		CL17	1.2v	V	V				2400
2400	CRUCIAL	16GB	2Rx8	CT16G4WFD824A.18FB1	DS	Micron		CL17	1.2v	V	V				2400 V
2400	G.SKILL	8GB	2Rx8	F4-2400C15Q2-64GRK	DS			15-15-15-35	1.2v	V	V	V			2133
2400	G.SKILL	16GB	2Rx8	F4-2400C15Q2-128GRK	DS			15-15-15-35	1.2v	V	V	V			2133
2400	GEIL	4GB	1Rx8	GSB44GB2400C16SC	SS			16-16-16-36	1.2v	V	V	V			2133
2400	GEIL	4GB	1Rx8	GSB48GB2400C16DC	SS			16-16-16-36	1.2v	V	V	V			2133
2400	GEIL	4GB	1Rx8	GSB416GB2400C16QC	SS			16-16-16-36	1.2v	V	V	V			2133
2400	GEIL	4GB	1Rx8	GSB44GB2400C17SC	SS			17-17-17-39	1.2v	V	V				2400
2400	GEIL	4GB	1Rx8	GSB48GB2400C17DC	SS			17-17-17-39	1.2v	V	V				2400
2400	GEIL	4GB	1Rx8	GSB416GB2400C17QC	SS			17-17-17-39	1.2v	V	V				2400
2400	GEIL	4GB	1Rx8	GLS44GB2400C16SC	SS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	4GB	1Rx8	GALS48GB2400C16DC	SS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	4GB	1Rx8	GLS416GB2400C16QC	SS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	4GB	1Rx8	GLS44GB2400C17SC	SS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	4GB	1Rx8	GLS48GB2400C17DC	SS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	4GB	1Rx8	GLS416GB2400C17QC	SS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	8GB	2Rx8	GSB48GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V			2133
2400	GEIL	8GB	2Rx8	GSB416GB2400C16DC	DS			16-16-16-36	1.2v	V	V	V			2133
2400	GEIL	8GB	2Rx8	GSB44GB2400C17SC	DS			17-17-17-39	1.2v	V	V				2400
2400	GEIL	8GB	2Rx8	GSB48GB2400C17DC	DS			17-17-17-39	1.2v	V	V				2400
2400	GEIL	8GB	2Rx8	GLS416GB2400C17QC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS416GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	16GB	2Rx8	GLS432GB2400C16QC	DS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	16GB	2Rx8	GLS48GB2400C17SC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS416GB2400C17DC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS432GB2400C17QC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS416GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	16GB	2Rx8	GLS432GB2400C16QC	DS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	16GB	2Rx8	GLS48GB2400C17SC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS416GB2400C17DC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS432GB2400C17QC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS416GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	16GB	2Rx8	GLS432GB2400C16QC	DS			16-16-16-36	1.2v	V	V	V			2133 V
2400	GEIL	16GB	2Rx8	GLS48GB2400C17SC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS416GB2400C17DC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GEIL	16GB	2Rx8	GLS432GB2400C17QC	DS			17-17-17-39	1.2v	V	V				2400 V
2400	GALAX	4GB	1Rx8	GAM4BXLBS240016JE164C	SS			16-16-16-36	1.2v	V	V	V			2133
2400	GALAX	4GB	1Rx8	HOF4BLBM240012FD041C	SS			12-12-12-28	1.35v	V	V	V			2133
2400	GALAX	8GB	2Rx8	GAM4MRRZBSR240016JE081C	SS			16-16-16-36	1.2v	V	V	V			2133
2400	HYUNDAI,Inc	4GB	1Rx8	HYE4G24C17	DS			17-17-17-39	1.2v	V	V				2400
2400	HyperX	4GB	1Rx8	HX424C15FB3K4/16	SS	Micron		15-15-15	1.2v	V	V	V			2133
2400	HyperX	4GB	1Rx8	HX424C15FB3K2/8	SS	Micron		15-15-15	1.2v	V	V	V			2133
2400	HyperX	4GB	1Rx8	HX424C15FB3/4	SS	Micron		15-15-15	1.2v	V	V	V			2133
2400	HyperX	8GB	1Rx8	HX424C15FB3AK4/32	SS	Hynix		15-15-15-35	1.2v	V	V	V			2400 V
2400	HyperX	8GB	1Rx8	HX424C15FB3AK2/16											

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (Vermeer CPU)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB
										2	4				
2400	Kingston	4GB	1Rx8	KVR24N17S6/4	SS	PSC		17-17-17-39	1.2v	V			2400		
2400	Kingston	8GB	1Rx8	KVR24N17S8/8	SS	Micron		CL17	1.2v	V			2400		
2400	Kingston	8GB	2Rx8	KVR24N17S8/8	DS	PSC		17-17-17-39	1.2v	V	V		2400		
2400	Kingston	8GB	2Rx8	KVR24N17D8L8-SP	DS	PSC		CL17	1.2v	V	V		2400		
2400	Kingston	16GB	2Rx8	KVR24N17D8/16	DS	Micron		CL17	1.2v	V	V		2400		
2400	Kingston	16GB	2Rx8	KVR24N17D8L/16-SP	DS	Nanya		CL17	1.2v	V	V		2400		
2400	KLEVV	4GB	1Rx8	KM4B4GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V	2400		
2400	KLEVV	4GB	1Rx8	KM4Z4GX1N-2400-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V	2400		
2400	KLEVV	8GB	1Rx8	KM4B8GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V	2400		
2400	KLEVV	8GB	1Rx8	KM4Z8GX1N-2400-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V	2400		
2400	KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLUBU Z11C	SS	Spectek		17-17-17-39	1.2v	V	V		2400		
2400	KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLUBU Z11B	SS	Spectek		17-17-17-39	1.2v	V	V		2400		
2400	KINGMAX	16GB	2Rx8	GLLH22F-18KIIA CFBU2 Z11B	DS	Spectek		17-17-17-39	1.2v	V	V		2400		
2400	ORCA	4GB	1Rx8	RUD404GS2400CG12	SS			16-16-16-36	1.2v	V	V		2400		
2400	ORCA	8GB	1Rx8	RUD408GS2400CG12	SS			16-16-16-36	1.2v	V	V		2400		
2400	PATRIOT	4GB	1Rx8	PVE48G240C5KRD	SS			CL15	1.2v	V	V	V	2133		
2400	PATRIOT	8GB	1Rx8	PVE416G240C5KRD	SS			CL15	1.2v	V	V	V	2133		
2400	PATRIOT	8GB	1Rx8	PSD48G240081	SS			CL17	1.2v	V	V		2400		
2400	PATRIOT	16GB	2Rx8	PSD416G24002	DS			CL17	1.2v	V	V		2400		
2400	Samsung	4GB	1Rx16	M378A5244CB0-CRC	SS	Samsung		CL17	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TED416G2400C16QC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TPD416G2400HC16QC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TPR416G2400HC16QC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TED48G2400C16DC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TPD48G2400HC16DC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TPRD48G2400HC16DC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TED44G2400C1601	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TPD44G2400HC1601	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	4GB	1Rx8	TPRD44G2400HC1601	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TLGD432G2400HC14QC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TLRED432G2400HC14QC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TDRED432G2400HC14QC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TGDED432G2400HC14QC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TLGD416G2400HC14DC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TLRED416G2400HC14DC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TDRED416G2400HC14DC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TGDED416G2400HC14DC01	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TLGD48G2400HC1401	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TLRED48G2400HC1401	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TDRED48G2400HC1401	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TGDED48G2400HC1401	SS			14-16-16-31	1.2v	V	V	V	2133		
2400	Team	8GB	1Rx8	TF3D416G2400HC15BDC01	SS			15-17-17-35	1.2v	V	V	V	2133	V	
2400	Team	8GB	1Rx8	TF4D416G2400HC15BDC01	SS			15-17-17-35	1.2v	V	V	V	2133	V	
2400	Team	8GB	1Rx8	TF3D48G2400HC15B01	SS			15-17-17-35	1.2v	V	V	V	2133	V	
2400	Team	8GB	1Rx8	TF4D48G2400HC15B01	SS			15-17-17-35	1.2v	V	V	V	2133	V	
2400	Team	8GB	1Rx8	TED432G2400C16QC01	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TPD432G2400HC16QC01	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TPR432G2400HC16QC01	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TED416G2400C16DC01	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TPD416G2400HC16DC01	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TPRD416G2400HC16DC01	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TED48G2400C1601	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TPD48G2400HC1601	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	8GB	1Rx8	TPRD48G2400HC1601	SS	Micron		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TED432G2400C16DC01	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TED416G2400C1601	SS	Hynix		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TED48G2400C1601	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPD48G2400HC1601	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPRD48G2400HC1601	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPR416G2400HC1601	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPD416G2400HC1601	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPRD416G2400HC1601	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPD432G2400HC16DC01	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPR432G2400HC16DC01	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TED464G2400C16QC01	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPD464G2400HC16QC01	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	16GB	1Rx8	TPRD464G2400HC16QC01	SS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	32GB	2Rx8	TPD432G2400HC1601	DS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	32GB	2Rx8	TPRD432G2400HC1601	DS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	32GB	2Rx8	TPD464G2400HC16DC01	DS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	Team	32GB	2Rx8	TPRD464G2400HC16DC01	DS	Spectek		16-16-16-39	1.2v	V	V		2400		
2400	V-Color	8GB	1Rx8	TC48G24S817	SS			CL17	1.2v	V	V		2400		
2400	VISENTA	8GB	1Rx8	DDR4 2400 8G	SS			17-17-17-40	1.2v	V			2400		
2400	VISENTA	16GB	2Rx8	DDR4 2400 16G	DS			15-15-15-35	1.2v	V	V		2400		
2133	CORSAIR	8GB	2Rx8	CMK64GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V		2133		
2133	CORSAIR	8GB	1Rx8	CMV9GX4M1A2133C15-ESS	SS	Samsung		C15	1.2v	V	V		2133		
2133	CORSAIR	16GB	2Rx8	CMV16GX4M1A2133C15	DS			C15	1.2v	V	V		2133		
2133	CORSAIR	16GB	2Rx8	CMK32GX4M2A2133C13	DS			13-15-15-28	1.2v	V	V		2133		
2133	CORSAIR	16GB	2Rx8	CMK128GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V	2133		
2133	CRUCIAL	8GB	1Rx8	CT8G4DFS8213.8FB1	SS	Micron		CL15	1.2v	V	V		2133		
2133	CRUCIAL	16GB	2Rx8	CT16G4DFD8213.16FB1	DS	Micron		CL15	1.2v	V	V		2133		
2133	G.SKILL	8GB	1Rx8	F4-2133C15S-8GIS	SS			15-15-15-35	1.2v	V			2133		
2133	KLEVV	4GB	1Rx8	KM4B4GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V		2133		
2133	KLEVV	8GB	1Rx8	KM4B8GX1N-2133-15-15-15-35-0	SS										