Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
5200+	BALLISTIX	8GB	1Rx8	BLM8G51C19U4B	SS	Micron		19-23-23-43	1.45v	V	V		v	v	2666	
5100	BALLISTIX	8GB	1Rx8	BLM8G51C19U4B	SS	Micron		19-23-23-43	1.45v	V	V		v	v	2666	
5100	BALLISTIX	8GB	1Rx8	BLM8G51C19U4B	SS	Micron		19-23-23-43	1.45v	V	V			v	2666	
5100	BALLISTIX	8GB	1Rx8	BLM8G51C19U48	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	
5000	HyperX	8GB	1Rx8	HX448C19PB3K2/16	SS	Hynix		19-26-26-46	1.5v	V	V			v	2400	
5000	AORUS	8GB	1Rx8	GP-AR50C19S8K2HU416	SS	Hynix		19-26-26-46	1.5v	V	V			v	2400	
5000	AORUS	8GB	1Rx8	GP-AR50C18S8K2MU408	SS	Micron		18-27-27-38	1.5v	V	V			v	3466	
4866	CORSAIR	8GB	1Rx8	CMK16GX4M2Z4866C18 ver3.31	SS	Spectek		18-26-26-46	1.5v	V	V			v	2133	
4800	CORSAIR	8GB	1Rx8	CMK16GX4M2G4800C19 ver5.33	SS	Hynix D		19-26-26-46	1.5v	V	V			v	2133	
4800	AORUS	8GB	1Rx8	GP-AR48C19S8K2HU416	SS	Hynix		19-26-26-46	1.5v	V	V			v	2400	
4800	HyperX	8GB	1Rx8	HX448C19PB3K2/16	SS	Hynix		19-26-26-46	1.5v	V	V			v	2400	
4700	CORSAIR	8GB	1Rx8	CMW16GX4M2K4700C19 ver4.31	SS	Samsung		19-19-26-46	1.5v	V	V			v	2133	
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	HyperX	8GB	1Rx8	HX446C19PB3K2/16	SS	Samsung		19-26-26-45	1.5v	V	V			v	2400	
4600	Thermaltake	8GB	1Rx8	R009D408GX2-4600C19A	SS	Hynix	H5AN8G8NDJR-XNC	19-26-26-45	1.5v	v	v			v	2666	
4600	Thermaltake	8GB	1Rx8	R022D408GX2-4600C19A	SS	Hynix	H5AN8G8NDJR-XNC	19-26-26-45	1.5v	v	v			v	2666	
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	HOF4PXL4BST4500Q19MG162C	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	
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	HOF4PXL4BST4400P19MF162C	SS	Samsung		19-19-19-39	1.4v	V	V			v	2133	
4400	ADATA	8GB	1Rx8	AX4U440038G19-BR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-SR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-DR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-BR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-SR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-DR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-QR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	ADATA	8GB	1Rx8	AX4U440038G19-QR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4400	V-Color	8GB	1Rx8	TL8G44819D-E6PRSWK	SS	Hynix D		19-26-26-46	1.5v	V	V	V		v	2666	
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	
4400	Thermaltake	8GB	1Rx8	R022D408GX2-4400C19A	SS	Hynix	H5AN8G8NDJR-VKC	19-25-25-45	1.35v	v	v			v	2666	
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	CORSAIR	8GB	1Rx8	CMK16GX4M2B4266C19R ver4.31	SS	Samsung		19-26-26-46	1.4v	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	CMW32GX4M4K4266C19 ver4.31	SS	Samsung		19-26-26-46	1.4v	V	V			v	2133	
4266	CORSAIR	8GB	1Rx8	CMT32GX4M4K4266C19 ver4.31	SS	Samsung		19-26-26-46	1.45v	V	V			v	2133	
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-16GTZAR	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	HOF4KXL4BST4266T19MF162C	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	ADATA	8GB	1Rx8	AX4U426638G19-BR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-SR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-DR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-QR80	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-BR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-SR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-DR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	ADATA	8GB	1Rx8	AX4U426638G19-QR41	SS	Samsung		19-19-19-39	1.4v	V	V			v	2666	
4266	KLEVV	8GB	1Rx8	KD48GU880-42B190Y	SS	Hynix		19-26-26-46	1.4v	v				v	2666	
4266	KLEVV	8GB	1Rx8	KD48GU880-42B190Z	SS	Hynix		19-26-26-46	1.4v	v	v			v	2666	
4200	CORSAIR	8GB	1Rx8	CMK64GX4M8X4200C19 ver4.31	SS	Samsung		19-25-25-45	1.45v	V	V			v	2133	
4133	G.SKILL	8GB	1Rx8	F4-4133C19D-16GTZKW	SS	Samsung		19-21-21-41	1.35v	V	V			V	2133	
4133	G.SKILL	8GB	1Rx8	F4-4133C19Q-32GTZRF	SS	Samsung		19-21-21-41	1.4v	V	V			V	2133	
4133	HyperX	8GB	1Rx8	HX441C19PB3/8	SS	Samsung		19-23-23-45	1.35v	V	V			V	2400	
4133	Apacer	8GB	1Rx8	AHU08GGB41CNU5H EK.16GA7.GGBK3	SS	Samsung		19-21-21-41	1.35v	V	V			V	2133	
4133	V-Color	8GB	1Rx8	TL8G41819D-I2PRAAK	SS	Hynix		19-24-24-44	1.35V	V	V			v	2133	
4133	V-Color	8GB	1Rx8	TL8G41819D-E0P2AAK	SS	Hynix		19-24-24-44	1.35V	V	V			v	2133	
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4BL	SS	Micron		18-19-19-39	1.35v	V	V	V		v	2666	
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4RL	SS	Micron		18-19-19-39	1.35v	V	V	V		v	2666	
4000	BALLISTIX	16GB	1Rx8	BLM16G40C18U4WL	SS	Micron		18-19-19-39	1.35v	V	V	V		v	2666	
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4BL	SS	Micron		18-19-19-39	1.35v	V	V	V		v	2666	
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4RL	SS	Micron		18-19-19-39	1.35v	V	V	V		v	2666	
4000	BALLISTIX	16GB	1Rx8	BLM2K16G40C18U4WL	SS	Micron		18-19-19-39	1.35v	V	V	V		v	2666	
4000	CORSAIR	8GB	1Rx8	CMK32GX4M4B4000C19R ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V			V	2133	
4000	CORSAIR	8GB	1Rx8	CMD16GX4M2E4000C19 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	CMR16GX4M2F4000C19 ver 4.31	SS	Samsung		19-23-23-45	1.35v	V	V			V	2133	
4000	CORSAIR	8GB	1Rx8	CMD32GX4M4E4000C19 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	
4000	CORSAIR	8GB	1Rx8	CMK16GX4M2K4000C19	SS			19-23-23-45	1.35v	V	V			V	2133	
4000	CORSAIR	8GB	1Rx8	CMK32GX4M4K4000C19	SS			19-23-23-45	1.35v	V	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	
4000	G.SKILL	8GB	1Rx8	F4-4000C18Q2-64GTZR	SS	Samsung		18-19-19-39	1.35v	V	V			V	2133	
4000	G.SKILL	8GB	1Rx8	F4-4000C18Q-32GVK	SS			18-22-22-42	1.35v	V	V	V		v	2133	
4000	HyperX	8GB	1Rx8	HX440C19PB3/8	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	
4000	HyperX	8GB	1Rx8	HX440C19PB3K2/16	SS	Samsung		19-21-21-42	1.35v	V	V			V	2400	
4000	ADATA	8GB	1Rx8	AX4U400038G18-QRS	SS	Samsung		18-19-19-39	1.4v	V	V			V	2133	
4000	Apacer	8GB	1Rx8	AHU08GGB40CMU90 EK.08G29.GJG	SS			19-21-21-41	1.35v	V	V			V	2133	
4000	BALLISTIX	8GB	1Rx8	BLE8G4D40BEEAK.M8FE1	SS	Micron		18-19-19-39	1.35v	V	V	V		V	2400	
4000	KLEVV	8GB	1Rx8	KD48GU880-40B190Y	SS	Hynix		19-25-25-45	1.4v	v				v	2666	

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
4000	KLEVV	8GB	1Rx8	KD48GU880-40B190Z	SS	Hynix		19-25-25-45	1.4v	v	v			v	2666	
4000	Team	8GB	1Rx8	TXD432G4000HC18EQC01	SS	Samsung		18-20-20-44	1.35v	V	V			V	2400	
4000	Team	8GB	1Rx8	TXBD416G4000HC18GDC01	SS	Samsung		18-19-19-39	1.35v	V	V			V	2400	
4000	Team	8GB	1Rx8	TXBD48G4000HC18FBK	SS	Samsung		18-18-18-38	1.35v	V	V			V	2400	
4000	Thermaltake	8GB	1Rx8	R009D408GX2-4000C19A	SS	Hynix	H5AN8G8NDJR-VKC	19-23-23-42	1.35v	v	v			v	2666	
4000	Thermaltake	8GB	1Rx8	R022D408GX2-4000C19A	SS	Hynix	H5AN8G8NDJR-VKC	19-23-23-42	1.35v	v	v			v	2666	
3866	CORSAIR	8GB	1Rx8	CMD32GX4M4B3866C18 ver 4.31	SS	Samsung		18-22-22-40	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	
3866	G.SKILL	8GB	1Rx8	F4-3866C18Q-32GTZR	SS	Samsung		18-19-19-39	1.35v	V	V	V		V	2133	
3866	Apacer	8GB	1Rx8	AHU08GGB38CJU5H EK.16GA7.GGBK2	SS	Samsung		18-22-22-42	1.35v	V	V			V	2133	
3733	CORSAIR	8GB	1Rx8	CMK32GX4M4B3733C17R ver4.31	SS	Samsung		17-19-19-39	1.35v	V	V	V		V	2133	
3733	CORSAIR	8GB	1Rx8	CMD32GX4M4B3733C17 ver4.31	SS	Samsung		17-19-19-39	1.35v	V	V	V		V	2133	
3733	G.SKILL	8GB	1Rx8	F4-3733C18Q-32GTZKW	SS	Samsung		18-18-18-38	1.35v	V	V	V		V	2133	
3733	Apacer	8GB	1Rx8	AHU08GGB37CEU5H EK.16GA6.GFBK2	SS			17-19-19-39	1.35v	V	V			V	2133	
3733	SUPER TALENT	8GB	1Rx8	F3733UA8G	SS			17-19-19-39	1.35v	V	V	V		V	2133	
3600	ADATA	4GB	1Rx8	AX4U3600W4G17-BWZ	SS	Samsung		17-18-18-38	1.35v	V	V	V		V	2133	
3600	ADATA	8GB	1Rx8	AX4U360038G17-BRZ1	SS	Nanya		16-18-18	1.35v	V	V	V		V	2666	
3600	ADATA	8GB	1Rx8	AX4U360038G17-BR80	SS			17-18-18-38	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G14C-DT60	DS	Samsung B		14-15-15-35	1.45v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G14C-DT50	DS	Samsung B		14-15-15-35	1.45v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G14C-DW50	DS	Samsung B		14-15-15-35	1.45v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-ST50	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-SW50	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-ST41	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-ST60	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DT50	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DW50	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DT41	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-BT41	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	ADATA	16GB	2Rx8	AX4U3600316G18A-DT60	DS	SpecTek		18-20-20-42	1.35v	V	V	V		V	2666	
3600	Apacer	8GB	1Rx8	AHU08GGB36CJU5H	SS			18-18-18-42	1.35v	V	V	V		V	2400	
3600	BALLISTIX	8GB	1Rx8	BLE8G4D36BEEAK.M8FE1	SS	Micron		16-18-18-38	1.35v	V	V	V		V	2400	
3600	CORSAIR	32GB	2Rx8	CMK64GX4M2D3600C18 ver 5.49	DS	Hynix		18-22-22-42	1.35v	v	v			V	2133	
3600	CORSAIR	16GB	2Rx8	CMK64GX4M4B3600C18 ver 4.31	DS	Samsung		18-19-19-39	1.35v	V	V			V	2133	
3600	CORSAIR	4GB	1Rx8	CMK8GX4M2B3600C18	SS			18-19-19-39	1.35v	V	V	V		V	2133	
3600	CORSAIR	4GB	1Rx8	CMD8GX4M2B3600C18	SS			18-19-19-39	1.35v	V	V	V		V	2133	
3600	CORSAIR	4GB	1Rx8	CMD16GX4M4B3600C18 ver 4.24	SS	Samsung		18-19-19-39	1.35v	V	V			V	2133	
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	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	1Rx8	CMD32GX4M4B3600C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C16R	SS			16-16-16-36	1.35v	V	V	V		V	2133	
3600	CORSAIR	8GB	1Rx8	CMR32GX4M4C3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V		V	2133	
3600	CORSAIR	8GB	1Rx8	CMW32GX4M4C3600C18 ver4.31	SS	Samsung		18-19-19-39	1.35v	V	V	V		V	2133	
3600	CORSAIR	8GB	1Rx8	CMT32GX4M4C3600C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3600	CORSAIR	8GB	1Rx8	CMK16GX4M2D3600C18	SS			18-18-22-42	1.35v	V	V			V	2133	
3600	CORSAIR	8GB	1Rx8	CMK32GX4M4D3600C18	SS			18-18-22-42	1.35v	V	V			V	2133	
3600	CORSAIR	8GB	1Rx8	CMT16GX4M2C3600C18	SS			18-18-19-39	1.35v	V	V			V	2133	
3600	CORSAIR	8GB	1Rx8	CMT32GX4M4C3600C18	SS			18-18-19-39	1.35v	V	V			V	2133	
3600	CORSAIR	8GB	1Rx8	CMT16GX4M2K3600C16	SS			18-16-18-36	1.35v	V	V			V	2133	
3600	CORSAIR	8GB	1Rx8	CMT32GX4M4K3600C16	SS			18-16-18-36	1.35v	V	V			V	2133	
3600	CRUCIAL	8GB	1Rx8	BLS8G4D36BESBK.8FE	SS	Micron		16-18-18-38	1.35v	V	V	V		V	2400	
3600	G.SKILL	4GB	1Rx8	F4-3600C17Q-16GVK	SS			17-18-18-38	1.35v	V	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		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GFX	SS			16-18-18-38	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C19Q-32GSXW	SS			19-19-19-39	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C17Q-32GTZR	SS			17-18-18-38	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C18D-16GTZRX	SS			18-22-22-42	1.35v	V	V			V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GTZ	SS			16-16-16-36	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GVKC	SS			16-19-19-39	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C18Q-32GVK	SS			18-22-22-42	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C14Q-32GTZN	SS			14-15-15-35	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GTZN	SS			16-16-16-35	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GTZNC	SS			16-19-19-39	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C18Q-32GTZN	SS			18-22-22-42	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C18Q-32GTZNA	SS			18-18-18-38	1.35v	V	V	V		V	2133	
3600	G.SKILL	16GB	1Rx8	F4-3600C16Q-64GTZN	SS			16-16-16-35	1.35v	V	V			V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C18Q-32GVK	SS	Samsung		18-22-22-42	1.35v	V	V	V		V	2133	
3600	G.SKILL	8GB	1Rx8	F4-3600C16Q-32GVKC	SS	Hynix		16-19-19-39	1.35v	V	V	V		V	2133	
3600	G.SKILL	16GB	2Rx8	F4-3600C17Q-64GTZ	DS			17-19-19-39	1.35v	V	V	V		V	2133	
3600	G.SKILL	16GB	2Rx8	F4-3600C18Q-64GVK	DS	Samsung		18-22-22-42	1.35v	V	V	V		V	2133	
3600	G.SKILL	16GB	2Rx8	F4-3600C16Q-64GVKC	DS	Hynix		16-19-19-39	1.35v	V	V	V		V	2133	
3600	G.SKILL	32GB	2Rx8	F4-3600C18Q-128GVK	DS	Samsung		18-22-22-42	1.35v	V	V	V		V	2666	
3600	GEIL	8GB	1Rx8	GLS416GB3600C16ADC	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3600	GALAX	8GB	1Rx8	HOF4CAL1CST3600K17LD162C	SS			17-18-18-38	1.35v	V	V	V		V	2133	
3600	HyperX	8GB	1Rx8	HX436C17PB4/8	SS	Samsung		17-19-19	1.35v	V	V	V		V	2400	
3600	HyperX	8GB	1Rx8	HX436C17PB4AK4/32	SS	Hynix		17-19-19	1.35v	V	V	V		V	2400	
3600	HyperX	16GB	2Rx8	HX436C17PB3K4/64	SS	Samsung		17-19-19	1.35v	V	V			V	2400	
3600	HyperX	16GB	2Rx8	HX436C17PB3/16	SS	Samsung		17-19-19-39	1.35v	V	V			V	2400	
3600	HyperX	16GB	2Rx8	HX436C17PB3/16	SS	Hynix		17-19-19-39	1.35v	V	V	V		V	2400	
3600	HyperX	16GB	1Rx8	HX436C18FB4/16	SS	Micron E		18-22-22-39	1.35v	V	V	V		V	2400	
3600	HyperX	16GB	1Rx8	HX436C18FB4K2/32	SS	Micron E		18-22-22-39	1.35v	V	V	V		V	2400	
3600	HyperX	16GB	1Rx8	HX436C18FB4K4/64	SS	Micron E		18-22-22-39	1.35v	V	V	V		V	2400	
3600	HyperX	32GB	2Rx8	HX436C18FB3/32	DS	Micron E		18-22-22-39	1.35v	V	V	V		V	2400	
3600	HyperX	32GB	2Rx8	HX436C18FB3K2/64	DS	Micron E		18-22-22-39	1.35v	V	V	V		V	2400	
3600	HyperX	32GB	2Rx8	HX436C18FB3K4/128	DS	Micron E		18-22-22-39	1.35v	V	V	V		V	2400	
3600	PATRIOT	8GB	1Rx8	PV416G360C7K	SS			CL17	1.35v	V	V	V		V	2133	
3600	Team	8GB	1Rx8	TXD432G3600HC18AQC01	SS	Samsung		18-20-20-39	1.35v	V	V	V		V	2133	
3600	Team	8GB	1Rx8	TF5D416G3600HC18EDC01	SS	Samsung		18-20-20-44	1.35v	V	V			V	2400	
3600	Thermaltake	32GB	2Rx8	R009R432GX2-3600C18A	DS	Hynix	H5AN4G8NAJR-VKC	18-20-20-39	1.35v	V	V			v	2666	
3600	Thermaltake	32GB	2Rx8	R022R432GX2-3600C18A	DS	Hynix	H5AN4G8NAJR-VKC	18-20-20-39	1.35v	V	V			v	2666	
3600	Thermaltake	16GB	2Rx8	R009D416GX2-3600C18A	SS	Hynix	H5AN4G8NAJR-VKC	18-20-20-39	1.35v	V	V			v	2666	
3600	Thermaltake	16GB	2Rx8	R022D416GX2-3600C18A	SS	Hynix	H5AN4G8NAJR-VKC	18-20-20-39	1.35v	V	V			v	2666	
3600	Thermaltake	8GB	1Rx8	CL-W262-CA00SW-A	SS	Hynix	H5AN8G8NCJR-VKC	18-19-19-39	1.35v	V	V			v	2666	
3600	Thermaltake	8GB	1Rx8	R009D408GX2-3600C18A Ver 1.1.2	SS	Hynix	H5AN8G8NCJR-VKC	18-22-22-42	1.35v	V	V			v	2666	

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
3600	V-Color	8GB	1Rx8	TL48G36S8BNRGB18	SS	Hynix		18-19-19-39	1.35v	V	V	V		V	2666	
3600	ZADAK	8GB	1Rx8	ZD4-SHD3600C17-08GAS	SS			17-19-19-39	1.35v	V	V	V		V	2133	
3466	CORSAIR	4GB	1Rx8	CMD16GX4M4B3466C18	SS			18-19-19-38	1.35v	V	V	V		V	2133	
3466	CORSAIR	8GB	1Rx8	CMK32GX4M4B3466C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3400	CORSAIR	8GB	1Rx8	CMU32GX4M4C3400C16R	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3466	CORSAIR	8GB	1Rx8	CMD32GX4M4B3466C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3466	CORSAIR	8GB	2Rx8	CMU32GX4M4C3466C16	DS			16-18-18-36	1.35v	V	V			V	2133	
3466	CORSAIR	8GB	1Rx8	CMR32GX4M4C3466C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3466	CORSAIR	8GB	1Rx8	CMR16GX4M2C3466C16 ver4.31	SS	Samsung		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	CMD32GX4M2B3466C16 ver4.31	DS	Samsung		16-18-18-36	1.35v	V	V			V	2133	
3466	CORSAIR	16GB	2Rx8	CMR64GX4M4C3466C16 ver4.31	DS	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	
3466	G.SKILL	16GB	2Rx8	F4-3466C16Q-64GTZ	DS			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	G.SKILL	8GB		F4-3466C16Q-32GTZR				16-18-18-38	1.35v	V	V	V		V		
3466	G.SKILL	16GB		F4-3466C16Q-64GTZR				16-18-18-38	1.35v	V	V			V		
3466	HyperX	16GB	2Rx8	HX434C19FB/16	DS	Micron		CL19	1.2v	V	V	V		V	2933	
3466	HyperX	8GB		HX434C19FB2/8				CL19	1.2v	V	V	V		V	2933	
3466	HyperX	16GB	1Rx8	HX434C17FB4/16	SS	Micron E		17-21-21-39	1.35v	V	V	V		V	2400	
3466	HyperX	16GB	1Rx8	HX434C17FB4K2/32	SS	Micron E		17-21-21-39	1.35v	V	V	V		V	2400	
3466	HyperX	16GB	1Rx8	HX434C17FB4K4/64	SS	Micron E		17-21-21-39	1.35v	V	V	V		V	2400	
3466	G.SKILL	8GB	1Rx8	F4-3466C16Q2-64GTZ	SS	Samsung		16-18-18-38	1.35v	V	V	V		V	2133	
3466	G.SKILL	8GB	1Rx8	F4-3466C16D-16GFX	SS			16-16-16-36	1.35v	V	V			V	2133	
3466	HyperX	8GB	1Rx8	HX434C19FB2/8	SS	Micron		CL19	1.2v	V	V	V		V	2933	
3466	KLEVV	8GB	1Rx8	KD48GU880-34A170X	SS			17-19-19-39	1.35v	V	V	V		V	2666	
3400	CORSAIR	4GB	1Rx8	CMD16GX4M4B3400C16	SS			16-18-18-40	1.35v	V	V	V		V	2133	
3400	CORSAIR	4GB	1Rx8	CMK16GX4M4B3400C16 ver 4.24	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
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		V	2133	
3400	G.SKILL	8GB	2Rx8	F4-3400C16D-16GVK	DS			16-18-18-38	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	
3400	Apacer	4GB	1Rx8	78.BAGN1.4020B	SS	Samsung		18-18-18-42	1.35v	V	V	V		V	2133	
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		V	2133	
3300	HyperX	8GB	1Rx8	HX433C16PB3K2/16	SS			16-18-18	1.35v	V	V			V	2133	
3300	HyperX	8GB	1Rx8	HX433C16PB3K4/32	SS			16-18-18	1.35v	V	V	V		V	2133	
3300	HyperX	16GB	2Rx8	HX433C16PB3/16	DS	Hynix		16-18-18-36	1.35v	V	V	V		V	2400	
3300	CORSAIR	4GB	1Rx8	CMK16GX4M4B3300C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3300	CORSAIR	4GB	1Rx8	CMD16GX4M4B3300C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3333	CORSAIR	4GB	1Rx8	CMK16GX4M4B3333C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3333	CORSAIR	4GB	1Rx8	CMK8GX4M2B3333C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3333	CORSAIR	8GB	2Rx8	CMD32GX4M4B3333C16	DS			16-18-18-36	1.35v	V	V			V	2133	
3333	CORSAIR	8GB	1Rx8	CMD64GX4M8B3333C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3333	CORSAIR	16GB	2Rx8	CMR64GX4M4C3333C16 ver4.31	DS	Samsung		16-18-18-36	1.35v	V	V			V	2133	
3333	HyperX	16GB	2Rx8	HX433C16PB3K4/64	DS			16-18-18-36	1.35v	V	V	V		V	2133	
3300	G.SKILL	8GB	1Rx8	F4-3300C16Q2-64GTZSW	SS	Samsung		16-16-16-36	1.35v	V	V	V		V	2133	
3333	G.SKILL	8GB	2Rx8	F4-3333C16Q-32GVR	DS	Samsung		16-16-16-36	1.35v	V	V			V	2133	
3333	G.SKILL	16GB	2Rx8	F4-3333C16Q2-128GTZSW	DS	Samsung		16-18-18-38	1.35v	V	V			V	2133	
3300	G.SKILL	16GB	2Rx8	F4-3300C16Q2-128GTZ	DS	Samsung		16-16-16-36	1.35v	V	V			V	2133	
3200	Apacer	8GB	1Rx8	D12.2724FS.001	SS	Samsung		22-22-22-52	1.20v	V	V	V			3200	
3200	HyperX	16GB	2Rx8	HX432C18FB/16	DS	Micron		CL18	1.2v	V	V	V		V	2933	
3200	HyperX	16GB	2Rx8	HX432C16PB3/16	DS	Hynix		16-18-18-36	1.35v	V	V	V		V	2400	
3200	HyperX	16GB	2Rx8	HX432C16PB3AK4/64	DS	Hynix		16-18-18-36	1.35v	V	V	V		V	2400	
3200	CORSAIR	4GB	1Rx8	CMK16GX4M4B3200C15	SS			16-17-17-35	1.35v	V	V			V	2133	
3200	CORSAIR	4GB	1Rx8	CMK8GX4M2B3200C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	4GB	1Rx8	CMK16GX4M4B3200C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	4GB	1Rx8	CMK16GX4M4C3200C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	4GB	1Rx8	CMD16GX4M4C3200C15	SS			15-17-17-35	1.35v	V	V	V		V	2133	
3200	CORSAIR	4GB	1Rx8	CMD16GX4M4B3200C14	SS			14-16-16-36	1.35v	V	V			V	2133	
3200	CORSAIR	4GB	1Rx8	CMD16GX4M4C3200C16 ver4.24	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	4GB		CMW16GX4M2C3200C16	SS			16-16-18-36	1.35v	V	V			V	2133	
3200	CORSAIR	4GB		CMT16GX4M2C3200C16	SS			16-16-18-36	1.35v	V	V			V	2133	
3200	CORSAIR	8GB	2Rx8	CMK16GX4M2B3200C16	DS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	8GB	1Rx8	CMD64GX4M8B3200C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	8GB	1Rx8	CMK64GX4M8B3200C16	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	8GB	2Rx8	CMD32GX4M4B3200C16	DS			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		V	2133	
3200	CORSAIR	8GB	1Rx8	CMT32GX4M4C3200C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	8GB	1Rx8	CMD64GX4M8B3200C16 ver5.32	SS	Hynix		16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	8GB		CMW32GX4M2C3200C16	DS			16-16-18-36	1.35v	V	V			V	2133	
3200	CORSAIR	8GB		CMT32GX4M2C3200C16	DS			16-16-18-36	1.35v	V	V			V	2133	
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16	DS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	16GB	2Rx8	CMK64GX4M4B3200C16	DS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	16GB	2Rx8	CMU32GX4M2C3200C16 ver4.31	DS	Samsung		16-18-18-36	1.35v	V	V			V	2133	
3200	CORSAIR	16GB	2Rx8	CMU64GX4M4C3200C16 ver4.31	DS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	16GB	2Rx8	CMK32GX4M2D3200C16 ver3.31	DS	Micron		16-19-19-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	16GB	2Rx8	CMT64GX4M4C3200C16 ver4.31	DS	Samsung		16-18-18-36	1.35v	V	V	V		V	2133	
3200	CORSAIR	16GB	2Rx8	CMW32GX4M2E3200C16 ver4.32	DS	Samsung C		16-20-20-38	1.35v	V	V			V	2133	
3200	CORSAIR	32GB	2Rx8	CMT128GX4M4C3200C16 ver 3.44	DS	Micron E		16-18-18-36	1.35	V	V	V		V	2133	
3200	G.SKILL	4GB	2Rx8	F4-3200C16Q-16GVR	DS			16-18-18-38	1.35v	V	V	V		V		
3200	G.SKILL	8GB	2Rx8	F4-3200C16Q-32GVK	DS			16-16-16-36	1.35v	V	V	V		V	2133	
3200	G.SKILL	8GB	2Rx8	F4-3200C16D-16GVKB	DS			16-18-18-38	1.35v	V	V	V		V	2133	
3200	G.SKILL	8GB	2Rx8	F4-3200C16Q-32GVRB	DS			16-18-18-38	1.35v	V	V	V		V		
3200	G.SKILL	8GB	2Rx8	F4-3200C14Q-32GTZSW	DS			14-14-14-34	1.35v	V	V	V		V		
3200	G.SKILL	8GB	2Rx8	F4-3200C14Q-32GTZR	DS			14-14-14-34	1.35v	V	V	V		V		
3200	G.SKILL	8GB	2Rx8	F4-3200C16Q-32GTZR	DS			16-18-18-38	1.35v	V	V	V		V		
3200	G.SKILL	16GB	2Rx8	F4-3200C16Q-64GVK	DS	Samsung		16-18-18-38	1.35v	V	V	V		V	2133	
3200	G.SKILL	16GB	2Rx8	F4-3200C14Q-64GVK	DS	Samsung		14-14-14-34	1.35v	V	V	V		V	2133	
3200	G.SKILL	16GB	2Rx8	F4-3200C14Q2-128GTZ	DS	Samsung		14-14-14-34	1.35v	V	V	V		V	2133	
3200	G.SKILL	16GB	2Rx8	F4-3200C14Q-64GTZSW	DS			14-14-14-34	1.35v	V	V	V		V		

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
3200	G.SKILL	16GB	2Rx8	F4-3200C16Q-64GTZ	DS			16-18-18-38	1.35v	V	V	V		V		
3200	G.SKILL	16GB	2Rx8	F4-3200C14Q-64GTZR	DS			14-14-14-34	1.35v	V	V	V		V		
3200	G.SKILL	16GB	2Rx8	F4-3200C16Q-64GTZR	DS			16-18-18-35	1.35v	V	V	V		V		
3200	G.SKILL	32GB	2Rx8	F4-3200C16Q-128GVK	DS			16-18-18-38	1.35v	V	V	V		V	2666	
3200	CRUCIAL	16GB	2Rx8	BLS16G4D32AESB.M16FE	DS	Micron		16-18-18-36	1.35v	V	V	V		V	2400	
3200	PATRIOT	16GB	2Rx8	PV432G320C6K	DS			CL16	1.35v	V	V	V		V	2133	
3200	SUPER TALENT	16GB	2Rx8	F3200UB16G	DS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	KLEVV	8GB	1Rx8	IM48GU88A32-GIISEZ	DS			16-18-18	1.35v	V	V			V	2133	
3200	Neo Forza	16GB	2Rx8	NMUD416E81-3200DD30	DS	Hynix		16-18-18-16	1.35v	V	V			V	2133	
3200	CRUCIAL	4GB	1Rx8	CT4G4DFS632A.4FJ1	SS	Micron		22-22-22-52	1.2v	V	V	V			3200	
3200	CRUCIAL	8GB	1Rx8	CT8G4DFS832A.8FE1	SS	Micron		22-22-22-52	1.2v	V	V	V			3200	
3200	CRUCIAL	16GB	2Rx8	CT16G4DFD832A.16FE1	DS	Micron		22-22-22-52	1.2v	V	V	V			3200	
3200	HyperX	4GB	1Rx8	HX432C18FBK2/8	SS	Micron		18-21-21-39	1.2v	V	V	V		V	3200	
3200	HyperX	8GB	1Rx8	HX432C16PB3K4/32	SS	Hynix		16-18-18	1.35v	V	V	V		V	2133	
3200	HyperX	8GB	1Rx8	HX432C18FB2/8	SS	Micron		CL18	1.2v	V	V	V		V	2933	
3200	HyperX	8GB	1Rx8	HX432C16PB3A/8	SS	Hynix		16-18-18-36	1.35v	V	V	V		V	2400	
3200	HyperX	16GB	2Rx8	HX432C16PB3K4/64	DS			18-21-21-39	1.35v	V	V	V		V	2400	
3200	HyperX	16GB	2Rx8	HX432C18FBK2/32	DS			16-18-18-36	1.35v	V	V	V		V	2400	
3200	HyperX	32GB	2Rx8	HX432C16PB3/32	DS	Micron E		16-19-19-36	1.35v	V	V	V		V	2400	
3200	HyperX	32GB	2Rx8	HX432C16PB3K2/64	DS	Micron E		16-19-19-36	1.35v	V	V	V		V	2400	
3200	HyperX	32GB	2Rx8	HX432C16PB3K4/128	DS	Micron E		16-19-19-36	1.35v	V	V	V		V	2400	
3200	HyperX	32GB	2Rx8	HX432C16PB3K8/256	DS	Micron E		16-19-19-36	1.35v	V	V	V		V	2400	
3200	G.SKILL	4GB	1Rx8	F4-3200C16Q-16GRK	SS			16-16-16-36	1.35v	V	V	V		V	2133	
3200	G.SKILL	8GB	1Rx8	F4-3200C14Q2-64GVK	SS	Samsung		14-14-14-34	1.35v	V	V	V		V	2133	
3200	G.SKILL	8GB	1Rx8	F4-3200C15Q2-64GVR	SS	Samsung		15-15-15-35	1.35v	V	V	V		V	2133	
3200	G.SKILL	8GB	1Rx8	F4-3200C14Q-32GFX	SS			14-14-14-34	1.35v	V	V	V		V	2133	
3200	G.SKILL	8GB	1Rx8	F4-3200C16Q-32GTZR	SS			16-18-18-38	1.35v	V	V			V	2133	
3200	AORUS	8GB	1Rx8	GP-AR32C16S8K2SU416R	SS	Samsung		16-18-18-38	1.35v	V	V	V		V	2133	
3200	AORUS	8GB	1Rx8	GP-AR32C16S8K2HU416R	SS	Hynix		16-18-18-38	1.35v	V	V	V		V	2666	
3200	ADATA	8GB	1Rx8	AX4U320038G16-BR80	SS	Hynix		16-18-18-36	1.35v	V	V	V		V	2666	
3200	ADATA	16GB	2Rx8	AX4U3200316G16-BR80	SS	Samsung		16-18-18-36	1.35v	V	V	V		V	2666	
3200	CRUCIAL	8GB	1Rx8	BLS8G4D32AESBK.8FE	SS	Micron		16-18-18-38	1.35v	V	V	V		V	2400	
3200	PATRIOT	4GB	1Rx8	PV48G320C6K	SS			CL16	1.35v	V	V	V		V	2133	
3200	PATRIOT	8GB	1Rx8	PV416G320C6K	SS			CL16	1.35v	V	V	V		V	2133	
3200	PATRIOT	8GB	1Rx8	PVR416G320C6K	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	SUPER TALENT	4GB	1Rx8	F3200UA4G	SS			16-18-18-36	1.35v	V	V	V		V	2133	
3200	KLEVV	8GB	1Rx8	KD48GU880-32A160T	SS			16-18-18-38	1.35v	V	V	V		V	2666	
3200	KLEVV	8GB	1Rx8	KD48GU880-32A160X	SS	Hynix		16-18-18-38	1.35v	V	V	V		V	2666	
3200	Thermaltake	8GB	1Rx8	CL-W251-CA00SW-A	SS	Hynix		16-18-18-38	1.35v	V	V	V		V	2666	
3200	Thermaltake	8GB	1Rx8	R009D408GX2-3200C16A Ver 1.1.2	SS	Hynix	H5AN8G8NCJR-VKC	16-18-18-38	1.35v	V	V	V		V	2666	
3200	Thermaltake	8GB	1Rx8	R009D408GX2-3200C16A Ver:1.1.3	SS	Hynix	H5AN8G8NCJR-VKC	16-18-18-36	1.35v	V	V			V	2666	
3200	Thermaltake	16GB	2Rx8	R009D416GX2-3200C16A	SS	Hynix	H5AN4G8NAFR-VKC	16-18-18-36	1.35v	V	V			v	2666	
3200	Thermaltake	16GB	2Rx8	R022D416GX2-3200C16A	SS	Hynix	H5AN4G8NAFR-VKC	16-18-18-36	1.35v	V	V			v	2666	
3200	Thermaltake	32GB	2Rx8	R009R432GX2-3200C16A	DS	Hynix	H5AN4G8NAFR-VKC	16-18-18-36	1.35v	V	V			v	2666	
3200	Thermaltake	32GB	2Rx8	R022R432GX2-3200C16A	DS	Hynix	H5AN4G8NAFR-VKC	16-18-18-36	1.35v	V	V			v	2666	
3200	Neo Forza	8GB	1Rx8	NMUD480E81-3200DD30	SS	Hynix		16-18-18-16	1.35v	V	V	V		V	2133	
3000	ADATA	8GB	1Rx8	AX4U300038G16-BRZ1	SS	SPECTEK		16-18-18-38	1.35v	V	V	V		V	2666	
3000	ADATA	8GB	1Rx8	AX4U300038G16-BRZ1	SS	SPECTEK		16-18-18-36	1.35v	V	V	V		V	2666	
3000	ADATA	8GB	1Rx8	AX4U300038G16-BR80	SS			16-18-18-36	1.35v	V	V	V		V	2666	
3000	Apacer	8GB	2Rx8	AHU08GGB30CDT5H	DS			16-16-16-36		V	V	V		V	2133	
3000	Apacer	8GB	1Rx8	AHU08GGB30CDU7V	SS			16-16-16-36	1.35v	V	V	V		V	2133	
3000	Apacer	8GB	1Rx8	AHU08GGB30CKU8R (EK.16GAZ.GJDK2)	SS			16-18-18-38	1.35v	V	V	V		V	2400	
3000	CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15	SS			15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	4GB	1Rx8	CMD16GX4M4B3000C14	SS			14-16-16-35	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	8GB	2Rx8	CMK16GX4M2B3000C15 ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	2Rx8	CMD16GX4M2B3000C15 ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V			V	2133	
3000	CORSAIR	8GB	2Rx8	CMD32GX4M4C3000C15 ver4.24	DS	Samsung		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	2Rx8	CMU16GX4M2C3000C15 ver5.30	DS	Hynix		15-17-17-35	1.35v	V	V			V	2133	
3000	CORSAIR	8GB	2Rx8	CMU32GX4M4C3000C15	DS			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	2Rx8	CM4X8GC3000C15K4-CN ver4.24	DS	Samsung		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	1Rx8	CMD32GX4M4C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	1Rx8	CMR32GX4M4C3000C15 ver4.31	SS	Samsung		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	1Rx8	CMD16GX4M2B3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	1Rx8	CMR16GX4M2C3000C15 ver4.31	SS	Samsung		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	1Rx8	CMR64GX4M8C3000C15 ver5.30	SS	Hynix		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	CMD32GX4M4C3000C15 ver3.32	SS	Micron		15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2C3000C16 ver3.31	SS	Micron		16-18-18-36	1.35v	V	V			V	2133	
3000	CORSAIR	8GB	1Rx8	CMR16GX4M2C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	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	2133	
3000	CORSAIR	16GB	2Rx8	CMK64GX4M4B3000C15	DS			15-17-17-35	1.35v	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	CMD64GX4M4C3000C15	DS			15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	16GB	2Rx8	CMU32GX4M2C3000C15R	DS			15-17-17-35	1.35v	V	V	V		V	2133	
3000	CORSAIR	16GB	2Rx8	CMD32GX4M2B3000C15 ver5.39	DS	Hynix		15-17-17-35	1.35v	V	V			V	2133	
3000	CORSAIR	16GB	2Rx8	CMR32GX4M2C3000C15 ver4.31	DS	Samsung		15-17-17-35	1.35v	V	V			V	2133	
3000	CORSAIR	32GB	2Rx8	CMK64GX4M2D3000C16 ver3.40	DS	Micron		16-20-20-38	1.2v	V	V			V	2133	
3000	CORSAIR	32GB	2Rx8	CMK64GX4M2C3000C15 ver 5.49	DS	Hynix		15-17-17-35	1.35v	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	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	2133	
3000	G.SKILL	16GB	2Rx8	F4-3000C14Q2-128GVKD	DS			14-14-14-34	1.35v	V	V			V	2133	
3000	G.SKILL	8GB	2Rx8	F4-3000C16Q-32GSXKB	DS			16-18-18-38	1.35v	V	V	V		V	2133	
3000	G.SKILL	16GB	2Rx8	F4-3000C16Q-64GSXKB	DS			16-18-18-38	1.35v	V	V	V		V	2133	
3000	G.SKILL	8GB	2Rx8	F4-3000C16Q-32GTZR	DS			16-18-18-38	1.35v	V	V	V		V	2133	

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
3000	G.SKILL	16GB	2Rx8	F4-3000C16Q-64GTZR	DS			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	1Rx8	GLS416GB3000C16ADC	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	2133	
3000	CRUCIAL	16GB	2Rx8	BLT16G4D30BET4.C16FD	DS	Micron		16-18-18-38	1.35v	V	V	V		V	2400	
3000	GLOWAY	8GB	1Rx8	YCT4U3000E16081C	SS			16-18-18-38	1.35v	V	V	V		V	2400	
3000	GALAX	8GB	1Rx8	HOF4CAL1CS3000G16LD162C	SS			16-18-18-38	1.35v	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	2133	
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	HyperX	8GB	1Rx8	HX430C15PB3K4/32	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	16GB	2Rx8	HX430C15PB3K4/64	DS	Hynix		C15	1.35v	V	V	V		V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3K8/128	DS	Hynix		C15	1.35v	V	V			V	2133	
3000	HyperX	16GB	2Rx8	HX430C15PB3AK4/64	DS	Hynix		15-17-17-36	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	Neo Forza	8GB	1Rx8	NMUD480E81-3000DC30	SS	Hynix		15-17-17-35	1.35v	V	V	V		V	2133	
3000	Neo Forza	16GB	2Rx8	NMUD416E82-3000DC30	DS	Hynix		15-17-17-35	1.35v	V	V			V	2133	
3000	Neo Forza	16GB	2Rx8	NMUD416E81-3000DC30	DS	Hynix		15-17-17-35	1.35v	V	V			V	2133	
3000	PATRIOT	4GB	1Rx8	PV48G300C6K	SS			CL16	1.35v	V	V			V	2133	
3000	PATRIOT	8GB	1Rx8	PV416G300C6K	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	8GB	1Rx8	TF1D416G3000HC16CDC01	SS			16-18-18-38	1.35v	V	V	V		V	2133	
3000	Thermaltake	8GB	1Rx8	R009D408GX2-3000C16A Ver 1.1.2	SS	Hynix	H5AN8G8NMFR-VKC	16-18-18-38	1.35v	V	V	V		V	2666	
3000	Thermaltake	8GB	1Rx8	R009D408GX2-3000C16B Ver:1.1.3	SS	Hynix	H5AN8G8NCJR-VKC	16-18-18-36	1.35v	V	V			V	2666	
3000	V-Color	8GB	1Rx8	TL48G30S816B	SS			CL16	1.35v	V	V	V		V	2133	
3000	V-Color	8GB	1Rx8	TL48G30S816RGB	SS			16-18-18-38	1.35v	V	V	V		V	2133	
2933	CORSAIR	16GB	2Rx8	CMK128GX4M8Z2933C16 ver 4.31	DS	Samsung		16-18-18-36	1.35	V	V	V		V	2133	
2933	CORSAIR	4GB	1Rx8	CMK16GX4M2Z2933C16	SS			16-18-18-36	1.35	V	V			V	2133	
2933	CORSAIR	8GB	1Rx8	CMW32GX4M4Z2933C16	SS			16-18-18-36	1.35	V	V			V	2133	
2933	CORSAIR	16GB	2Rx8	CMW64GX4M4Z2933C16	DS			16-18-18-36	1.35	V	V			V	2133	
2933	CORSAIR	4GB	1Rx8	CMW16GX4M2Z2933C16	SS			16-18-18-36	1.35	V	V			V	2133	
2933	CORSAIR	8GB	2Rx8	CMW32GX4M2Z2933C16	DS			16-18-18-36	1.35	V	V			V	2133	
2933	HyperX	4GB	1Rx8	HX429C17FBK4/16	SS	Micron		17-19-19-39	1.2v	V	V	V		V	2933	
2933	HyperX	8GB	1Rx8	HX429C17FB2/8	SS	Micron		CL17	1.2v	V	V	V		V	2933	
2933	HyperX	8GB	1Rx8	HX429C15PB3AK4/32	SS			CL15	1.35v	V	V	V		V	2933	
2933	HyperX	16GB	2Rx8	HX429C17FB/16	DS	Micron		CL17	1.2v	V	V	V		V	2933	
2933	HyperX	4GB	1Rx8	HX429C17FBK2/8	SS			CL17	1.2v	V	V	V		V	2933	
2933	HyperX	8GB	1Rx8	HX429C17FB2/8	SS			CL17	1.2v	V	V	V		V	2933	
2933	HyperX	16GB	2Rx8	HX429C17FB/16	DS			CL17	1.2v	V	V	V		V	2933	
2800	CORSAIR	8GB	2Rx8	CMK64GX4M8B2800C14	DS			14-16-16-36	1.35v	V	V	V		V	2133	
2800	CORSAIR	8GB	2Rx8	CMD64GX4M8B2800C14	DS			14-16-16-36	1.35v	V	V	V		V	2133	
2800	CORSAIR	8GB	2Rx8	CMD32GX4M4A2800C16 ver5.20	DS	Hynix		16-18-18-36	1.2v	V	V	V		V	2133	
2800	CORSAIR	16GB	2Rx8	CMD128GX4M8B2800C14 ver5.39	DS	Hynix		14-16-16-36	1.35v	V	V			V	2133	
2800	CORSAIR	16GB	2Rx8	CMD32GX4M2B2800C14	DS			14-16-16-36	1.35v	V	V			V	2133	
2800	CORSAIR	16GB	2Rx8	CMK64GX4M4B2800C14 ver 4.31	DS	Samsung		14-16-16-36	1.35v	V	V	V		V	2133	
2800	G.SKILL	8GB	2Rx8	F4-2800C15Q2-64GRK	DS			15-16-16-35	1.25v	V	V	V		V	2133	
2800	G.SKILL	16GB	2Rx8	F4-2800C15Q2-128GRKD	DS			15-15-15-35	1.35v	V	V	V		V	2133	
2800	KINGMAX	8GB	1Rx8	GLMG42F-18KIIA CJBR4	SS				1.2v	V	V	V		V	2133	
2800	PATRIOT	4GB	1Rx8	PVE48G280C6KRD	SS			CL16	1.2v	V	V	V		V	2133	
2800	Neo Forza	8GB	1Rx8	NMUD480E82-2800EB30	SS	Hynix		19-26-26-46	1.2v	V	V	V		V	2133	
2666	HyperX	16GB	2Rx8	HX426C16FBK4/64	DS	Hynix		CL16	1.2v	V	V	V		V	2666	
2666	HyperX	16GB	2Rx8	HX426C16FWK4/64	DS	Hynix		CL16	1.2v	V	V	V		V	2666	
2666	HyperX	16GB	2Rx8	HX426C13PB3K4/64	DS	Hynix		CL13	1.35	V	V	V		V	2400	
2666	Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Micron		CL19	1.2v	V	V	V			2666	
2666	Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Micron		CL19	1.2v	V	V	V			2666	
2666	CORSAIR	4GB	1Rx8	CMD8GX4M2A2666C15	SS			15-17-17-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16 ver 3.21	SS	Micron		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	4GB	1Rx8	CMD16GX4M4A2666C12 ver 5.20	SS	Hynix		12-14-14-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16 ver4.23	DS	Samsung		16-18-18-35	1.2v	V	V			V	2133	
2666	CORSAIR	8GB	2Rx8	CMD16GX4M2A2666C15 ver4.23	DS	Samsung		15-17-17-35	1.2v	V	V			V	2133	
2666	CORSAIR	8GB	2Rx8	CMK64GX4M8A2666C16	DS	Samsung		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16 ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16 ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	1Rx8	CMU32GX4M4A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16 ver5.30	DS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16	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	CMD128GX4M8A2666C15	DS	Samsung		15-17-17-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS			16-18-18-35	1.2v	V	V			V	2133	
2666	CORSAIR	16GB	2Rx8	CMU64GX4M4A2666C16	DS			16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	16GB	2Rx8	CMD64GX4M4A2666C15	DS			15-17-17-35	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	CMK16GX4M1A2666C16 ver5.39	DS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver5.39	DS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver3.32	DS	Micron		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CRUCIAL	4GB	1Rx8	BLS4G4D26BFSC.8FBR2	SS			16-18-18-38	1.2v	V	V	V		V	2666	
2666	CRUCIAL	8GB	2Rx8	BLS8G4D26BFSC.16FBR2	DS			16-18-18-38	1.2v	V	V	V		V	2666	
2666	CRUCIAL	16GB	2Rx8	BLS16G4D26BFSC.16FBD	DS			16-18-18-38	1.2v	V	V	V		V	2666	
2666	GLOWAY	16GB	2Rx8	YCT4U2666D19161C	DS			19-19-19-43	1.2v	V	V	V		V	2666	
2666	CORSAIR	16GB	2Rx8	CMV16GX4M1A2666C18	DS			18-18-18-43	1.2v	V	V				2666	
2666	CORSAIR	32GB	2Rx8	CMV32GX4M1A2666C18	DS	Micron		C18	1.2v	V	V	V			2666	
2666	ADATA	16GB	2Rx8	AD4U2666316G19-B	DS	Hynix		19-19-19-43	1.2	V	V	V			2666	
2666	ANACOMDA	16GB	2Rx8	DDR4 2666 16GB	DS			19-19-19-43	1.2v	V	V				2666	
2666	CRUCIAL	16GB	2Rx8	CT16G4WFD8266	DS			CL19	1.2v	V	V	V			2666	V
2666	CRUCIAL	16GB	2Rx8	MTA16ATF2G64AZ-2G6E1	DS	Micron		19-19-19-43	1.2v	V	V	V			2666	
2666	CRUCIAL	16GB	2Rx8	CT16G4DFD8266.M16FE	DS	Micron		19-19-19-43	1.2v	V	V	V			2666	
2666	CRUCIAL	32GB	2Rx8	CT32G4DFD8266.16FB1	DS	Micron		19-19-19-43	1.2v	V	V	V			2666	
2666	GEIL	8GB	2Rx8	GLS416GB2666C16ADC	DS			16-18-18-36	1.35v	V	V	V		V	2133	
2666	GEIL	8GB	2Rx8	GLS48GB2666C19SC	DS			19-19-19-43	1.2v	V	V	V			2666	
2666	PATRIOT	8GB	2Rx8	PVE416G266C6KBL	DS			CL16	1.2v	V	V	V		V	2133	
2666	Panram	16GB	2Rx8	W4U2666PS-16G	DS			CL16	1.2v	V	V	V			2666	

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
2666	KLEVV	8GB	2Rx8	KD48GU481-26N1602	DS			16-18-18-38	1.2v	V	V	V		V	2666	
2666	KLEVV	16GB	2Rx8	KM4Z16X1N-2666-15-15-15-35-1	DS			15-15-15-35	1.2v	V	V			V	2400	
2666	NANYA	16GB	2Rx8	NT16GA64D8HBX3F-HR	DS			19-19-19-43	1.2v	V	V	V			2666	
2666	Team	16GB	2Rx8	TED464G2666C19QC01	DS			19-19-19-43	1.2v	V	V	V			2666	
2666	HyperX	8GB	1Rx8	HX426C13PB3K4/32	SS	Hynix		CL13	1.35	V	V	V		V	2400	
2666	HyperX	8GB	1Rx8	HX426C16FB2K4/32	SS	Hynix		CL16	1.2v	V	V	V		V	2666	
2666	HyperX	8GB	1Rx8	HX426C16FB2K4/32	SS	Micron		CL16	1.2v	V	V	V		V	2666	
2666	HyperX	8GB	1Rx8	HX426C16FB2K2/16	SS	Nanya		16-18-18-39	1.2v	V	V			V	2666	
2666	HyperX	4GB	1Rx8	HX426C15FBK4/16	SS			16-18-18-39	1.2v	V	V	V		V	2666	
2666	Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Micron		CL19	1.2v	V	V	V			2666	
2666	Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Micron		CL19	1.2v	V	V	V			2666	
2666	CORSAIR	4GB	1Rx8	CMV4GX4M1A2666C18	SS			18-18-18-43	1.2v	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	1Rx8	CMR64GX4M8A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	1Rx8	CMR64GX4M2A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V		V	2133	
2666	CORSAIR	8GB	1Rx8	CMK16GX4M2D2666C16 ver4.21	SS	Samsung		16-18-18-35	1.2v	V	V			V	2133	
2666	CORSAIR	8GB	1Rx8	CMV8GX4M1A2666C18	SS			18-18-18-43	1.2v	V	V				2666	
2666	GIGABYTE	8GB	1Rx8	GP-GR26C16S8K2HU416	SS	Hynix		19-19-19-43	1.2v	V	V	V		V	2666	
2666	ADATA	8GB	1Rx8	AD4U266638G19-B	SS	spectek		C19	1.2v	V	V	V			2666	
2666	ADATA	8GB	1Rx8	AD4U266638G-S	SS	Hynix		19-19-19-43	1.2	V	V	V			2133	
2666	ADATA	8GB	1Rx8	AD4U266638G19-B	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		V	2666	
2666	ADATA	16GB	2Rx8	AX4U2666316G16-BRZ1	SS	spectek		16-16-16-39	1.2v	V	V	V		V	2666	
2666	ADATA	16GB	2Rx8	AX4U2666316G16-BR80	SS	spectek		16-16-16-39	1.2v	V	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	1Rx8	AHU04GGB26CDT6H	SS			16-16-16-36	1.2v	V	V	V		V	2133	
2666	Apacer	8GB	1Rx8	AU08GGB26CQYBGH	SS			19-19-19-43	1.2v	V	V	V			2666	
2666	Apacer	8GB	1Rx16	AU08GGB26CQABGH	SS			19-19-19-43	1.2v	V	V	V			2400	
2666	CRUCIAL	8GB	1Rx8	MTA8ATF1G64AZ-2G6E1	SS	Micron		19-19-19-43	1.2v	V	V	V			2666	
2666	CRUCIAL	8GB	1Rx8	CT8G4DFS8266.M8FE	SS	Micron		19-19-19-43	1.2v	V	V	V			2666	
2666	CRUCIAL	32GB	2Rx8	CT32G4DFD8266.16FB1	DS	Micron		19-19-19-43	1.2v	V	V	V			2666	
2666	GEIL	4GB	1Rx8	GSB44GB2666C19SC	SS			19-19-19-43	1.2v	V	V	V			2666	
2666	GEIL	4GB	1Rx8	GLS44GB2666C19SC	SS			19-19-19-43	1.2v	V	V	V			2666	
2666	GEIL	8GB	1Rx8	GSB416GB2666C16ADC	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			2666	
2666	ORCA	8GB	1Rx8	RUD408GS2666CI12	SS			18-18-18-40	1.2v	V	V	V			2666	
2666	PATRIOT	4GB	1Rx8	PVE48G266C6KBL	SS			CL16	1.2v	V	V	V		V	2133	
2666	Samsung	32GB	2Rx8	M378A4G43MB1-CTD	DS	Samsung		19-19-19-43	1.2v	V	V	V			2666	
2666	KLEVV	4GB	1Rx8	KM4Z4GX1N-2666-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V		V	2400	
2666	KLEVV	4GB	1Rx8	KD44GU481-26N1602	SS			16-18-18-38	1.2v	V	V	V		V	2666	
2666	KLEVV	8GB	1Rx8	KM4Z8GX1N-2666-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V		V	2400	
2666	NANYA	8GB	1Rx8	NT8GA64D88BX3F-HR	SS			19-19-19-43	1.2v	V	V	V			2666	
2666	Team	4GB	1Rx8	TLRED416G2666HC15BQC01	SS			15-17-17-35	1.2v	V	V	V		V	2133	
2666	Team	8GB	1Rx8	TED432G2666C19QC01	SS			19-19-19-43	1.2v	V	V	V			2666	
2400	HyperX	16GB	2Rx8	HX424C15FBK4/64	DS			C15	1.2v	V	V	V		V	2133	
2400	Kingston	8GB	2Rx8	KVR24N17D8/8	DS	Micron		CL17	1.2v	V	V				2400	
2400	Kingston	16GB	2Rx8	KVR24N17D8/16	DS	Micron		CL17	1.2v	V	V	V			2400	
2400	CORSAIR	8GB	2Rx8	CMK64GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V		V	2133	
2400	CORSAIR	8GB	2Rx8	CMD32GX4M4A2400C12	DS			12-14-14-28	1.2v	V	V	V		V	2133	
2400	CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C12	DS			12-14-14-28	1.2v	V	V	V		V	2133	
2400	CORSAIR	16GB	2Rx8	CMK128GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V			V	2133	
2400	CORSAIR	16GB	2Rx8	CMK64GX4M4A2400C14	DS			14-16-16-31	1.2v	V	V	V		V	2133	
2400	CORSAIR	16GB	2Rx8	CMD128GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V		V	2133	
2400	CORSAIR	16GB	2Rx8	CMK128GX4M8A2400C14 ver5.30	DS	Hynix		14-16-16-31	1.2v	V	V	V		V	2133	
2400	CORSAIR	16GB	2Rx8	CMK64GX4M4A2400C16 ver3.32	DS	Micron		16-16-16-39	1.2v	V	V	V		V	2133	
2400	G.SKILL	8GB	2Rx8	F4-2400C15Q2-64GRK	DS			15-15-15-35	1.2v	V	V	V		V	2133	
2400	G.SKILL	16GB	2Rx8	F4-2400C15Q2-128GRK	DS			15-15-15-35	1.2v	V	V	V		V	2133	
2400	GALAX	8GB	2Rx8	GAM4MRR2BSR2400D16JE081C	DS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	Apacer	8GB	2Rx8	AU08GGB24CETBGC	DS			CL17	1.2v	V	V	V			2400	
2400	Apacer	16GB	2Rx8	AHU16GGB24CDU7V	DS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	CRUCIAL	8GB	2Rx8	CT8G4WFD824A.18FB1	DS	Micron		CL17	1.2v	V	V	V			2400	V
2400	CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FAR	DS	Micron		16-16-16-39	1.2v	V	V	V		V	2400	V
2400	CRUCIAL	16GB	2Rx8	CT16G4DFD824A.16FB1	DS	Micron		CL17	1.2v	V	V	V			2400	
2400	CRUCIAL	16GB	2Rx8	CT16G4WFD824A.18FB1	DS	Micron		CL17	1.2v	V	V				2400	V
2400	GEIL	8GB	2Rx8	GSB48GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	GEIL	8GB	2Rx8	GLS48GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	GEIL	8GB	2Rx8	GLS48GB2400C17SC	DS			17-17-17-39	1.2v	V	V	V			2400	
2400	GEIL	16GB	2Rx8	GLS416GB2400C16SC	DS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	GEIL	16GB	2Rx8	GLS416GB2400C17SC	DS			17-17-17-39	1.2v	V	V	V			2400	
2400	GLOWAY	8GB	2Rx8	8G-2400	DS			15-15-15-35	1.2v	V	V	V		V	2133	
2400	HYUNDAI.Inc	16GB	2Rx8	HYE16G24C17	DS			17-17-17-39	1.2v	V	V	V			2400	
2400	KLEVV	16GB	2Rx8	KM4B16X1N-2400-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V	V		V	2400	
2400	KLEVV	16GB	2Rx8	KM4Z16X1N-2400-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V	V		V	2400	
2400	KINGMAX	16GB	2Rx8	GLLH22F-18KIIA CFBU2 Z11B	DS	Spectek		17-17-17-39	1.2v	V	V	V			2400	
2400	PATRIOT	16GB	2Rx8	PSD416G24002	DS			CL17	1.2v	V	V	V			2400	
2400	Team	8GB	2Rx8	TED432G2400C16QC01	DS			16-16-16-39	1.2v	V	V	V			2400	
2400	Team	16GB	2Rx8	TED464G2400C16QC01	DS			16-16-16-39	1.2v	V	V	V			2400	
2400	VISENTA	16GB	2Rx8	DDR4 2400 16G	DS			15-15-15-35	1.2v	V	V	V			2400	
2400	HyperX	8GB	1Rx8	HX424C15FB2K4/32	SS			C15	1.2v	V	V	V		V	2133	
2400	HyperX	4GB	1Rx8	HX424C15FBK4/16	SS			C15	1.2v	V	V	V		V	2133	
2400	HyperX	16GB	1Rx8	HX424C15FBK2/32	SS			C15	1.2v	V	V	V		V	2133	
2400	Kingston	8GB	1Rx8	KVR24N17S8/8	SS	Micron		CL17	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	1Rx8	CMD64GX4M8A2400C14 ver4.24	SS	Samsung		14-16-16-31	1.2v	V	V	V		V	2133	
2400	CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C16	SS			16-16-16-39	1.2v	V	V	V		V	2133	
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16	SS			16-16-16-39	1.2v	V	V			V	2133	
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2Z2400C16 ver3.31	SS	Micron		16-16-16-39	1.2v	V	V				2133	
2400	CORSAIR	32GB	2Rx8	CMK64GX4M2A2400C16 ver3.44	DS	Micron		16-16-16-39	1.2v	V	V				2400	
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		V	2133	
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2D2400C14 ver4.21	SS	Samsung		14-16-16-31	1.2v	V	V			V	2133	
2400	G.SKILL	8GB	1Rx8	F4-2400C17S-8GDB	SS			17-17-17-39	1.2v	V	V	V			2400	
2400	ADATA	4GB	1Rx8	AD4U2400W4G17-B	SS	PSC		17-17-17-39	1.2v	V	V	V			2400	
2400	Apacer	8GB	1Rx8	AU08GGB24CEYBGC	SS			CL17	1.2v	V	V	V			2400	
2400	Antec	8GB	1Rx8	AMD4UZ124001508G-3S	SS	Samsung		15-15-15-39	1.2v	V	V	V			2400	
2400	CRUCIAL	8GB	1Rx8	CT8G4DFS824A.8FB1	SS	Micron		CL17	1.2v	V	V	V			2400	
2400	GEIL	4GB	1Rx8	GSB44GB2400C16SC	SS			16-16-16-36	1.2v	V	V	V		V	2133	

Qualified Vendors List (QVL), Model Name: X570 AORUS ULTRA (1.1) (Matisse 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			OC	XMP	Native	ECC
										1	2	4				
2400	GEIL	4GB	1Rx8	GSB44GB2400C17SC	SS			17-17-17-39	1.2v	V	V	V			2400	
2400	GEIL	4GB	1Rx8	GLS44GB2400C16SC	SS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	GEIL	4GB	1Rx8	GLS44GB2400C17SC	SS			17-17-17-39	1.2v	V	V				2400	
2400	GEIL	8GB	1Rx8	GSB48GB2400C17SC	SS			17-17-17-39	1.2v	V	V	V			2400	
2400	GALAX	4GB	1Rx8	GAM4BXLBS240016JE164C	SS			16-16-16-36	1.2v	V	V	V		V	2133	
2400	GALAX	4GB	1Rx8	HOF4BLBM240012FD041C	SS			12-12-12-28	1.35v	V	V	V		V	2133	
2400	HYUNDAI.Inc	4GB	1Rx8	HYE4G24C17	SS			17-17-17-39	1.2v	V	V	V			2400	
2400	HYUNDAI.Inc	8GB	1Rx8	HYE8G24C17	SS			17-17-17-39	1.2v	V	V	V			2400	
2400	KLEVV	4GB	1Rx8	KM4B4GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	V	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		V	2400	
2400	KLEVV	8GB	1Rx8	KM4B8GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	V	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		V	2400	
2400	KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLBU Z11C	SS	Spectek		17-17-17-39	1.2v	V	V	V			2400	
2400	KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLBU Z11B	SS	Spectek		17-17-17-39	1.2v	V	V	V			2400	
2400	Kingston	4GB	1Rx8	KVR24N17S6/4	SS	PSC		17-17-17-39	1.2v	V	V	V			2400	
2400	Kingston	8GB	2Rx8	KVR24N17S8/8	DS	PSC		17-17-17-39	1.2v	V	V	V			2400	
2400	ORCA	8GB	1Rx8	RUD408GS2400CG12	SS			16-16-16-36	1.2v	V	V	V			2400	
2400	PATRIOT	4GB	1Rx8	PVE48G240C5KRD	SS			CL15	1.2v	V	V	V		V	2133	
2400	PATRIOT	8GB	1Rx8	PVE416G240C5KRD	SS			CL15	1.2v	V	V	V		V	2133	
2400	PATRIOT	8GB	1Rx8	PSD48G240081	SS			CL17	1.2v	V	V	V			2400	
2400	Team	8GB	1Rx8	TLGD432G2400HC14QC01	SS			14-16-16-31	1.2v	V	V	V		V	2133	
2400	Team	8GB	1Rx8	TF3D416G2400HC15BDC01	SS			15-17-17-35	1.2v	V	V	V		V	2133	
2400	Panram	8GB	1Rx8	PUD42400C158G4NJW	SS			CL15	1.2v	V	V	V			2400	
2400	Samsung	4GB	1Rx16	M378A5244CB0-CRC	SS				1.2v	V	V	V			2400	
2400	V-Color	8GB	1Rx8	TC48G24S817	SS			CL17	1.2v	V	V	V			2400	
2400	VISENTA	8GB	1Rx8	DDR4 2400 8G	SS			17-17-17-40	1.2v	V	V	V			2400	
2133	CORSAIR	8GB	2Rx8	CMK64GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V			2133	
2133	CORSAIR	8GB	2Rx8	CMD32GX4M4B2133C10	DS			10-12-12-31	1.35v	V	V	V		V	2133	
2133	CORSAIR	16GB	2Rx8	CMK128GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V		V	2133	
2133	CRUCIAL	16GB	2Rx8	CT16G4DFD8213.16FB1	DS	Micron		CL15	1.2v	V	V	V			2133	
2133	KLEVV	16GB	2Rx8	KM4B16X1N-2133-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V	V			2133	
2133	Samsung	16GB	2Rx8	M378A2K43BB1-CPB	DS			15-15-15-36	1.2v	V	V				2133	
2133	V-Color	16GB	2Rx8	TE416G21D815	DS	SKHynix		CL15	1.2v	V	V	V			2133	V
2133	CORSAIR	16GB	2Rx8	CMV16GX4M1A2133C15	DS			C15	1.2v	V	V	V			2133	
2133	CORSAIR	16GB	2Rx8	CMK32GX4M2A2133C13	DS			13-15-15-28	1.2v	V	V				2133	
2133	CORSAIR	8GB	1Rx8	CMV8GX4M1A2133C15-ESS	SS	Samsung		C15	1.2v	V	V	V			2133	
2133	G.SKILL	8GB	1Rx8	F4-2133C15S-8GIS	SS			15-15-15-35	1.2v	V	V				2133	
2133	Apacer	4GB	1Rx8	AU04GGB13CDTBGH	SS			CL15	1.2v	V	V	V			2133	
2133	CRUCIAL	8GB	1Rx8	CT8G4DFS8213.8FB1	SS	Micron		CL15	1.2v	V	V	V			2133	
2133	GLOWAY	4GB	1Rx8	4G-2133	SS			15-15-15-35	1.2v	V	V	V			2133	
2133	KLEVV	4GB	1Rx8	KM4B4GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V			2133	
2133	KLEVV	8GB	1Rx8	KM4B8GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V			2133	
2133	Panram	8GB	1Rx8	PUD42133C158G2VS	SS			CL15	1.2v	V	V	V			2133	
2133	Samsung	8GB	1Rx8	M378A1K43BB1-CPB	SS			15-15-15-36	1.2v	V	V				2133	
2133	V-Color	8GB	1Rx8	TE48G21S815	SS	SKHynix		CL15	1.2v	V	V	V			2133	V
2133	V-Color	8GB	1Rx8	TC48G21S815-iMS	SS			CL15	1.2v	V	V	V			2133	
2133	CORSAIR	8GB	2Rx8	CMK64GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V			2133	
2133	CORSAIR	8GB	2Rx8	CMD32GX4M4B2133C10	DS			10-12-12-31	1.35v	V	V	V		V	2133	
2133	CORSAIR	16GB	2Rx8	CMK128GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V		V	2133	
2133	CRUCIAL	16GB	2Rx8	CT16G4DFD8213.16FB1	DS	Micron		CL15	1.2v	V	V	V			2133	
2133	KLEVV	16GB	2Rx8	KM4B16X1N-2133-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V				2133	
2133	Samsung	16GB	2Rx8	M378A2K43BB1-CPB	DS			15-15-15-36	1.2v	V	V				2133	
2133	V-Color	16GB	2Rx8	TE416G21D815	DS	SKHynix		CL15	1.2v	V	V				2133	V
2133	CORSAIR	16GB	2Rx8	CMV16GX4M1A2133C15	DS			C15	1.2v	V	V	V			2133	
2133	CORSAIR	16GB	2Rx8	CMK32GX4M2A2133C13	DS			13-15-15-28	1.2v	V	V				2133	
2133	CORSAIR	8GB	1Rx8	CMV8GX4M1A2133C15-ESS	SS	Samsung		C15	1.2v	V	V	V			2133	
2133	G.SKILL	8GB	1Rx8	F4-2133C15S-8GIS	SS			15-15-15-35	1.2v	V	V				2133	
2133	Apacer	4GB	1Rx8	AU04GGB13CDTBGH	SS			CL15	1.2v	V	V	V			2133	
2133	CRUCIAL	8GB	1Rx8	CT8G4DFS8213.8FB1	SS	Micron		CL15	1.2v	V	V	V			2133	
2133	GLOWAY	4GB	1Rx8	4G-2133	SS			15-15-15-35	1.2v	V	V	V			2133	
2133	KLEVV	4GB	1Rx8	KM4B4GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V			2133	
2133	KLEVV	8GB	1Rx8	KM4B8GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V			2133	
2133	Panram	8GB	1Rx8	PUD42133C158G2VS	SS			CL15	1.2v	V	V	V			2133	
2133	Samsung	8GB	1Rx8	M378A1K43BB1-CPB	SS			15-15-15-36	1.2v	V	V				2133	
2133	V-Color	8GB	1Rx8	TE48G21S815	SS	SKHynix		CL15	1.2v	V	V	V			2133	V
2133	V-Color	8GB	1Rx8	TC48G21S815-iMS	SS			CL15	1.2v	V	V	V			2133	

• 2 DIMM: Supports one pair of modules inserted into the same color slots as one pair of Dual-channel memory configuration. Install the modules into DDR4_A2, DDR4_B2 for better compatibility.
2 DIMM: 請將兩支記憶體模組安裝在同樣顏色記憶體插槽以啟動雙通道設定，並優先安裝在DDR4_A2, DDR4_B2 插槽以確保更好的相容性

• When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.
當執行XMP至DDR4 3200MHz或是更高, 系統的穩定性會依據CPU的效能而有所差異

• Memory modules listed as above is for reference only. Due to massive memory models in market, we can only verify some of them.
以下所列的記憶體模組僅供參考，因市面上的記憶體模組眾多，我們無法一一驗證

• When enabling Dual Channel mode with two or four memory modules, it is recommended that using the same capacity, brand, speed, and chips of memory modules and also installed in the same color of DDR4 slots.
若要安裝兩支或四支 DDR4記憶體模組, 建議您使用相同容量 / 廠牌/ 速度/ 顆粒等之記憶體模組。