

Qualified Vendors List (QVL) (Picasso APU)

Speed	Module Supplier	Density	# of Banks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support		XMP	Native	ECC	RGB	
											2	4				
3466	HyperX	8GB	1Rx8	HX434C19FB2/8	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FB2K2/16	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FB2K4/32	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FW2/8	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FW2K2/16	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FW2K4/32	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FR2/8	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FR2K2/16	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3466	HyperX	8GB	1Rx8	HX434C19FR2K4/32	SS	Micron		CL19	1.2v	v	v	v	v	2933		
3200	HyperX	4GB	1Rx8	HX432C18FBK2/8	SS	Micron		18-21-21-39	1.2v	v	v	v	v	3200		
3200	HyperX	4GB	1Rx8	HX432C18FB/4	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	HX432C16PB3K2/16	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	HX432C18FB2K2/16	SS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	8GB	1Rx8	HX432C18FW2/8	SS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	8GB	1Rx8	HX432C18FW2K2/16	SS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	8GB	1Rx8	HX432C18FR2/8	SS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	8GB	1Rx8	HX432C18FR2K2/16	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	v	
3200	HyperX	8GB	1Rx8	HX432C16PB3AK2/16	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2400	v	
3200	HyperX	8GB	1Rx8	HX432C16PB3AK4/32	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2400	v	
3200	HyperX	16GB	2Rx8	HX432C18FB/16	DS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	16GB	2Rx8	HX432C18FBK2/32	DS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	16GB	2Rx8	HX432C18FW/16	DS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	16GB	2Rx8	HX432C18FWK2/32	DS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	16GB	2Rx8	HX432C18FR/16	DS	Micron		CL18	1.2v	v	v	v	v	2933		
3200	HyperX	16GB	2Rx8	HX432C18FRK2/32	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	HX432C16PB3K2/32	DS	Hynix		16-18-18-36	1.35v	v	v	v	v	2400		
3200	HyperX	16GB	2Rx8	HX432C16PB3K4/64	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	v	
3200	HyperX	16GB	2Rx8	HX432C16PB3AK2/32	DS	Hynix		16-18-18-36	1.35v	v	v	v	v	2400	v	
3200	HyperX	16GB	2Rx8	HX432C16PB3/8	DS	Hynix		16-18-18-36	1.35v	v	v	v	v	2400	v	
3200	CORSAIR	4GB	1Rx8	CMK16GX4M4B3200C16	SS			16-18-18-36	1.35v	v	v	v	v	2133		
3200	CORSAIR	4GB	1Rx8	CMD16GX4M4B3200C14	SS			14-16-16-36	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	1Rx8	CMW32GX4M4C3200C16 ver5.32	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2133	v	
3200	CORSAIR	8GB	1Rx8	CMT32GX4M4C3200C16 ver4.31	SS	Samsung		16-18-18-36	1.35v	v	v	v	v	2133	v	
3200	CORSAIR	8GB	1Rx8	CMD64GX4M8B3200C16 ver5.32	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2133	v	
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	F4-3200C14Q-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	v	2133	v	
3200	G.SKILL	16GB	2Rx8	F4-3200C16Q-64GVK	DS	Samsung		16-18-18-38	1.35v	v	v	v	v	2133		
3200	AORUS	8GB	1Rx8	GP-AR32C16S8K2SU416R	SS	Samsung		16-18-18-38	1.35v	v	v	v	v	2133	v	
3200	ADATA	8GB	1Rx8	AX4U320038G16-BR80	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2666	v	
3200	ADATA	8GB	1Rx8	AX4U320038G16-SR80	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2666	v	
3200	ADATA	8GB	1Rx8	AX4U320038G16-DR80	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2666	v	
3200	ADATA	8GB	1Rx8	AX4U320038G16-QR80	SS	Hynix		16-18-18-36	1.35v	v	v	v	v	2666	v	
3200	Apacer	8GB	1Rx8	AH4U08G32C08YNBAA	SS	Hynix		16-18-18-38	1.35v	v	v	v	v	2133	v	
3200	CRUCIAL	4GB	1Rx8	CT4G4DFS632A.4FJ1	SS	Micron		22-22-22-62	1.2v	v	v	v	v	3200		
3200	CRUCIAL	8GB	1Rx8	BLS8G4D32AESB.8FE	SS	Micron		16-18-18-38	1.35v	v	v	v	v	2400		
3200	CRUCIAL	8GB	1Rx8	CT8G4DFS832A.8FE1	SS	Micron		22-22-22-62	1.2v	v	v	v	v	3200		
3200	CRUCIAL	16GB	2Rx8	BLS16G4D32AESB.M16FE	DS	Micron		16-18-18-36	1.35v	v	v	v	v	2400		
3200	CRUCIAL	16GB	2Rx8	CT16G4DFD832A.16FE1	DS	Micron		22-22-22-62	1.2v	v	v	v	v	3200		
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	KLEVV	8GB	1Rx8	KD48GU880-32A160T	SS			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	CL-W252-CA00SW-A	SS	Hynix		16-18-18-38	1.35v	v	v	v	v	2666		
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	v	
3000	HyperX	8GB	1Rx8	HX430C15PB3AK2/16	SS	Hynix		15-17-17-36	1.35v	v	v	v	v	2400	v	
3000	HyperX	8GB	1Rx8	HX430C15PB3A/8	SS	Hynix		15-17-17-36	1.35v	v	v	v	v	2400	v	
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	v	
3000	HyperX	16GB	2Rx8	HX430C15PB3AK2/32	DS	Hynix		15-17-17-36	1.35v	v	v	v	v	2400	v	
3000	HyperX	16GB	2Rx8	HX430C15PB3A/16	DS	Hynix		15-17-17-36	1.35v	v	v	v	v	2400	v	
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	8GB	2Rx8	CMK32GX4M4B3000C15	DS			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	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	CMU32GX4M4C3000C15	DS			15-17-17-35	1.35v	v	v	v	v	2133		
3000	CORSAIR	8GB	2Rx8	CMU32GX4M4C3000C15R	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	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	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	v	
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	v	
3000	CORSAIR	8GB	1Rx8	CMR64GX4M8C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	v	v	v	v	2133	v	
3000	CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15 ver3.32	SS	Micron		15-17-17-35	1.35v	v	v	v	v	2133		
3000	CORSAIR	8GB	1Rx8	CMR32GX4M4C3000C15 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				

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Speed	Module Supplier	Density	# of Banks 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	16GB	2Rx8	CMD64GX4M4C3000C15	DS			15-17-17-35	1.35v	v	v	v	2133		
3000	CORSAIR	16GB	2Rx8	CMR32GX4M2C3000C15 ver.4.31	DS	Samsung		15-17-17-35	1.35v	v	v	v	2133		v
3000	G.SKILL	4GB	1Rx8	F4-3000C15Q-16GVR	SS			15-15-15-35	1.35v	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	2133		
3000	G.SKILL	8GB	1Rx8	F4-3000C16D-16GTVR	SS			16-18-18-38	1.35v	v	v	v	2133		v
3000	G.SKILL	16GB	2Rx8	F4-3000C14Q2-128GVKD	DS			14-14-14-34	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		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	AX4U300038G16-BR80	SS			16-18-18-36	1.35v	v	v	v	2666		v
3000	ADATA	8GB	1Rx8	AX4U300038G16-SR80	SS			16-18-18-36	1.35v	v	v	v	2666		v
3000	ADATA	8GB	1Rx8	AX4U300038G16-DR80	SS			16-18-18-36	1.35v	v	v	v	2666		v
3000	ADATA	8GB	1Rx8	AX4U300038G16-QR80	SS			16-18-18-36	1.35v	v	v	v	2666		v
3000	Apacer	8GB	1Rx8	AHU08GB30C0DU7V	SS			16-16-16-36	1.35v	v	v	v	2133		
3000	Apacer	8GB	1Rx8	AHU08GB30C0KUR (EK.16GAZ.GJDK2)	SS			16-18-18-38	1.35v	v	v	v	2400		
3000	GEIL	8GB	2Rx8	GSB416GB3000C16ADC	DS			16-18-18-36	1.35v	v	v	v	2133		
3000	GEIL	8GB	2Rx8	GSB432GB3000C16AQC	DS			16-18-18-36	1.35v	v	v	v	2133		
3000	GEIL	8GB	1Rx8	GLS416GB3000C16ADC	SS			16-18-18-36	1.35v	v	v	v	2133		v
3000	GEIL	8GB	1Rx8	GLS432GB3000C16AQC	SS			16-18-18-36	1.35v	v	v	v	2133		v
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	2133		
3000	KLEVV	4GB	1Rx8	KM4B4GX1A-3000-15-16-16-36-0	SS			15-16-16-36	1.35v	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	2400		
3000	KLEVV	8GB	1Rx8	KM4B8GX1A-3000-15-16-16-36-0	SS			15-16-16-36	1.35v	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	2400		
3000	KLEVV	16GB	2Rx8	KM4Z16X1A-3000-15-16-16-36-0	DS			15-16-16-36	1.35v	v	v	v	2400		
3000	Team	4GB	1Rx8	TLRED416G3000HC16CQC01	SS			16-18-18-38	1.35v	v	v	v	2133		
3000	Team	4GB	1Rx8	TDGED416G3000HC16CQC01	SS			16-18-18-38	1.35v	v	v	v	2133		
3000	Team	4GB	1Rx8	TLRED48G3000HC16CDD01	SS			16-18-18-38	1.35v	v	v	v	2133		
3000	Team	4GB	1Rx8	TDGED48G3000HC16CDD01	SS			16-18-18-38	1.35v	v	v	v	2133		
3000	Team	8GB	1Rx8	TF1D416G3000HC16CDD01	SS			16-18-18-38	1.35v	v	v	v	2133		v
3000	Team	8GB	1Rx8	TF2D416G3000HC16CDD01	SS			16-18-18-38	1.35v	v	v	v	2133		v
3000	Team	8GB	1Rx8	TF3D416G3000HC16CDD01	SS			16-18-18-38	1.35v	v	v	v	2133		v
3000	Team	8GB	1Rx8	TF4D416G3000HC16CDD01	SS			16-18-18-38	1.35v	v	v	v	2133		v
3000	V-Color	8GB	1Rx8	TL48G30S816B	SS			CL16	1.35v	v	v	v	2133		
3000	V-Color	8GB	1Rx8	TL48G30S816RGB	SS			16-18-18-38	1.35v	v	v	v	2133		v
3000	Neo Forza	8GB	1Rx8	NMUD480E82-3000DC30	SS	Hynix		15-17-17-35	1.35v	v	v	v	2133		
3000	Neo Forza	8GB	1Rx8	NMUD480E82-3000DA30	SS	Hynix		15-17-17-35	1.35v	v	v	v	2133		
3000	Neo Forza	8GB	1Rx8	NMUD480E82-3000DB30	SS	Hynix		15-17-17-35	1.35v	v	v	v	2133		
3000	Neo Forza	8GB	1Rx8	NMUD480E82-3000DD30	SS	Hynix		15-17-17-35	1.35v	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	NMUD416E82-3000DA30	DS	Hynix		15-17-17-35	1.35v	v	v	v	2133		
3000	Neo Forza	16GB	2Rx8	NMUD416E82-3000DB30	DS	Hynix		15-17-17-35	1.35v	v	v	v	2133		
3000	Neo Forza	16GB	2Rx8	NMUD416E82-3000DD30	DS	Hynix		15-17-17-35	1.35v	v	v	v	2133		
2933	CORSAIR	16GB	2Rx8	CMK128GX4M8Z2933C16 ver 4.31	DS	Samsung		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	2933		
2933	HyperX	4GB	1Rx8	HX429C17FBK2/8	SS	Micron		17-19-19-39	1.2v	v	v	v	2933		
2933	HyperX	4GB	1Rx8	HX429C17FB/4	SS	Micron		17-19-19-39	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FB2/8	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FB2K2/16	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FB2K4/32	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FW2/8	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FW2K2/16	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FW2K4/32	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FR2/8	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FR2K2/16	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C17FR2K4/32	SS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	8GB	1Rx8	HX429C16PB3AK4/32	SS			CL15	1.35v	v	v	v	2933		v
2933	HyperX	16GB	2Rx8	HX429C17FB/16	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FBK2/32	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FBK4/64	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FW/16	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FWK2/32	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FWK4/64	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FR/16	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FRK2/32	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	HyperX	16GB	2Rx8	HX429C17FRK4/64	DS	Micron		CL17	1.2v	v	v	v	2933		
2933	Samsung	8GB	1Rx16	M378A1G44AB0-CWE	SS			22-22-22-52	1.2v	v	v	v	3200		
2933	Samsung	16GB	1Rx8	M378A2G43AB3-CWE	SS			22-22-22-52	1.2v	v	v	v	3200		
2800	CORSAIR	8GB	2Rx8	CMK64GX4M8B2800C14	DS			14-16-16-36	1.35v	v	v	v	2133		
2800	CORSAIR	8GB	2Rx8	CMD64GX4M8B2800C14	DS			14-16-16-36	1.35v	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	2133		
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		
2800	KINGMAX	8GB	1Rx8	GLMG42F-18K1A CJB84	SS				1.2v	v	v	v	2133		
2800	PATRIOT	4GB	1Rx8	PVE48G280C6KRD	SS			CL16	1.2v	v	v	v	2133		
2800	Neo Forza	8GB	1Rx8	NMUD480E82-2800EB30	SS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	8GB	1Rx8	NMUD480E82-2800EA30	SS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	8GB	1Rx8	NMUD480E82-2800EC30	SS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	8GB	1Rx8	NMUD480E82-2800ED30	SS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	16GB	2Rx8	NMUD416E82-2800EB30	DS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	16GB	2Rx8	NMUD416E82-2800EA30	DS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	16GB	2Rx8	NMUD416E82-2800EC30	DS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2800	Neo Forza	16GB	2Rx8	NMUD416E82-2800ED30	DS	Hynix		19-26-26-46	1.2v	v	v	v	2133		
2666	HyperX	4GB	1Rx8	HX426C15FBK4/16	SS	SKhynix		CL15	1.2v	v	v	v	2666		
2666	HyperX	4GB	1Rx8	HX426C15FBK2/8	SS										

Qualified Vendors List (QVL) (Picasso APU)

Speed	Module Supplier	Density	# of Banks 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	HyperX	4GB	1Rx8	HX426C15FB/4	SS	Micron		CL15	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C13PB3K4/32	SS	Hynix		CL13	1.35	v	v	v	2400		
2666	HyperX	8GB	1Rx8	HX426C13PB3K4/16	SS	Hynix		CL13	1.35	v	v	v	2400		
2666	HyperX	8GB	1Rx8	HX426C13PB3/8	SS	Hynix		CL13	1.35	v	v	v	2400		
2666	HyperX	8GB	1Rx8	HX426C16FB2K4/32	SS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2K2/16	SS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2/8	SS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2K4/32	SS	Micron		CL16	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2K2/16	SS	Micron		CL16	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2/8	SS	Micron		CL16	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2K2/16	SS	Nanya		16-18-18-39	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FB2/8	SS	Nanya		16-18-18-39	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FR2K2/16	SS	Nanya		16-18-18-39	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FR2/8	SS	Nanya		16-18-18-39	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FW2K2/16	SS	Nanya		16-18-18-39	1.2v	v	v	v	2666		
2666	HyperX	8GB	1Rx8	HX426C16FW2/8	SS	Nanya		16-18-18-39	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C16FBK4/64	DS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C16FBK2/32	DS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C16FB/16	DS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C16FWK4/64	DS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C16FWK2/32	DS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C16FW/16	DS	Hynix		CL16	1.2v	v	v	v	2666		
2666	HyperX	16GB	2Rx8	HX426C13PB3K4/64	DS	Hynix		CL13	1.35	v	v	v	2400		
2666	HyperX	16GB	2Rx8	HX426C13PB3K2/32	DS	Hynix		CL13	1.35	v	v	v	2400		
2666	HyperX	16GB	2Rx8	HX426C13PB3/16	DS	Hynix		CL13	1.35	v	v	v	2400		
2666	Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Micron		CL19	1.2v	v	v	v	2666		
2666	Kingston	8GB	1Rx8	KVR26N19S8/16	SS	Micron		CL19	1.2v	v	v	v	2666		
2666	Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Micron		CL19	1.2v	v	v	v	2666		
2666	Kingston	16GB	2Rx8	KVR26N19D8/32	DS	Micron		CL19	1.2v	v	v	v	2666		
2666	CORSAIR	4GB	1Rx8	CMDB8GX4M4A2666C15	SS			15-17-17-35	1.2v	v	v	v	2133		
2666	CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16 ver 3.21	SS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16B ver 3.21	SS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16R ver 3.21	SS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C12 ver 5.20	SS	Hynix		12-14-14-35	1.2v	v	v	v	2133		
2666	CORSAIR	4GB	1Rx8	CMV4GX4M1A2666C18	SS			18-18-18-43	1.2v	v	v	v	2666		
2666	CORSAIR	4GB	1Rx8	CMK8GX4M4A2666C16 ver3.22	SS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	8GB	2Rx8	CMK16GX4M4A2666C16 ver4.23	DS	Samsung		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	8GB	2Rx8	CMK16GX4M4A2666C16Rver4.23	DS	Samsung		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	8GB	2Rx8	CMK16GX4M4A2666C16W ver4.23	DS	Samsung		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	8GB	2Rx8	CMK16GX4M4A2666C15 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	2133		
2666	CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16 ver3.21	DS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16R ver3.21	DS	Micron		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	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	CMU32GX4M4A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	8GB	1Rx8	CMU32GX4M4A2666C16R ver5.30	SS	Hynix		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	CMK32GX4M4A2666C16R ver5.30	DS	Hynix		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	2133		v
2666	CORSAIR	8GB	1Rx8	CMR64GX4M8A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	v	v	v	2133		v
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	v	2666		
2666	CORSAIR	16GB	2Rx8	CMK32GX4M4A2666C16	DS			16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK32GX4M4A2666C16R	DS			16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK32GX4M4A2666C16W	DS			16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver 4.31	DS	Samsung		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C15	DS	Samsung		15-17-17-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK32GX4M4A2666C16R	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	2133		
2666	CORSAIR	16GB	2Rx8	CMU64GX4M4A2666C15	DS			15-17-17-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver3.31	DS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16W ver3.31	DS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK16GX4M1A2666C16 ver5.39	DS	Hynix		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver5.39	DS	Hynix		16-18-18-35	1.2v	v	v	v	2133		
2666	CORSAIR	16GB	2Rx8	CMV16GX4M1A2666C18	DS			18-18-18-43	1.2v	v	v	v	2666		
2666	CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver3.32	DS	Micron		16-18-18-35	1.2v	v	v	v	2133		
2666	GIGABYTE	8GB	1Rx8	GP-GR26C16S8K2HU416	SS	Hynix		19-19-19-43	1.2v	v	v	v	2666		
2666	ADATA	8GB	1Rx8	AD4U266638G19-B	SS	spectek		C19	1.2v	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	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-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	Apacer	4GB	1Rx8	AHU04GB26CDT6H	SS			16-16-16-36	1.2v	v	v	v	2133		
2666	Apacer	8GB	1Rx8	AU08GB26CQYBGH	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Apacer	8GB	1Rx16	AU08GB26CQABGH	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Apacer	8GB	1Rx16	EL_08G2V.GNH	SS	Hynix		19-19-19-43	1.2v	v	v	v	2666		
2666	ANACOMDA	16GB	2Rx8	DDR4 2666 16GB	DS			19-19-19-43	1.2v	v	v	v	2666		
2666	CRUCIAL	4GB	1Rx8	BL54G4D26BFSC.8FBR2	SS	Micron		16-18-18-38	1.2v	v	v	v	2666		
2666	CRUCIAL	8GB	2Rx8	BL58G4D26BFSC.16FBR2	DS	Micron		16-18-18-38	1.2v	v	v	v	2666		
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		

Qualified Vendors List (QVL) (Picasso APU)

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	CRUCIAL	16GB	2Rx8	BLS16G4D26FSC.16FBD	DS	Micron		16-18-18-38	1.2v	v	v	v	2666		
2666	CRUCIAL	16GB	2Rx8	CT16G4WFD8266	DS	Micron		CL19	1.2v	v	v	v	2666	v	
2666	CRUCIAL	16GB	2Rx8	MTA16ATF2G64A2-2G6E1	DS	Micron		19-19-19-43	1.2v	v	v	v	2666		
2666	GEIL	4GB	1Rx8	GSB48GB2666C19DC	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	GEIL	4GB	1Rx8	GAFY416GB2666C19QC	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		v
2666	GEIL	4GB	1Rx8	GLS48GB2666C19DC	SS			19-19-19-43	1.2v	v	v	v	2666		v
2666	GEIL	4GB	1Rx8	GLS416GB2666C19QC	SS			19-19-19-43	1.2v	v	v	v	2666		v
2666	GEIL	8GB	1Rx8	GSB416GB2666C16ADC	SS			16-18-18-36	1.35v	v	v	v	2133		
2666	GEIL	8GB	1Rx8	GSB432GB2666C16AQC	SS			16-18-18-36	1.35v	v	v	v	2133		
2666	GEIL	8GB	1Rx8	GSB48GB2666C19SC	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	GEIL	8GB	1Rx8	GSB416GB2666C19DC	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	GEIL	8GB	1Rx8	GAFY432GB2666C19QC	SS			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	2133		v
2666	GEIL	8GB	2Rx8	GLS432GB2666C16AQC	DS			16-18-18-36	1.35v	v	v	v	2133		v
2666	GEIL	8GB	2Rx8	GLS48GB2666C19SC	DS			19-19-19-43	1.2v	v	v	v	2666		v
2666	GEIL	8GB	2Rx8	GLS416GB2666C19DC	DS			19-19-19-43	1.2v	v	v	v	2666		v
2666	GEIL	8GB	2Rx8	GLS432GB2666C19QC	DS			19-19-19-43	1.2v	v	v	v	2666		v
2666	ORCA	4GB	1Rx8	RUD404GS2666CJ12	SS			19-19-19-43	1.2v		v		2666		
2666	ORCA	8GB	1Rx8	RUD408GS2666C12	SS			18-18-18-40	1.2v	v	v	v	2666		
2666	PATRIOT	4GB	1Rx8	PVE48G2666C8KBL	SS			CL16	1.2v	v	v	v	2133		
2666	PATRIOT	8GB	2Rx8	PVE416G2666C8KBL	DS			CL16	1.2v	v	v	v	2133		
2666	PATRIOT	8GB	1Rx8	PVR416G2666C5KW	SS			CL15	1.2v	v	v	v	2133		v
2666	KLEVV	4GB	1Rx8	KM424GX1N-2666-15-15-15-35-1	SS			15-15-15-35	1.2v	v	v	v	2400		
2666	KLEVV	4GB	1Rx8	KD44GU481-26N1602	SS			16-18-18-38	1.2v	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	2400		
2666	KLEVV	8GB	2Rx8	KD48GU481-26N1602	DS			16-18-18-38	1.2v	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	2400		
2666	NANYA	8GB	1Rx8	NT8GA64D88BX3F-HR	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Samsung	8GB	1Rx8	M378A1K43CB2-CTD	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Samsung	16GB	1Rx8	M378A2G43MX3-CTD	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	2133		
2666	Team	4GB	1Rx8	TDGED416G2666HC15BQC01	SS			15-17-17-35	1.2v	v	v	v	2133		
2666	Team	4GB	1Rx8	TLRED48G2666HC15BDC01	SS			15-17-17-35	1.2v	v	v	v	2133		
2666	Team	4GB	1Rx8	TDGED48G2666HC15BDC01	SS			15-17-17-35	1.2v	v	v	v	2133		
2666	Team	4GB	1Rx8	TED416G2666C19QC01	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Team	4GB	1Rx8	TED48G2666C19DC01	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Team	4GB	1Rx8	TED44G2666C1901	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Team	8GB	1Rx8	TED432G2666C19QC01	SS			19-19-19-43	1.2v	v	v	v	2666		
2666	Team	8GB	1Rx8	TED416G2666C19DC01	SS			19-19-19-43	1.2v	v	v	v	2666		
2400	HyperX	8GB	1Rx8	HX424C15FB2K4/32	SS			C15	1.2v	v	v	v	2133		
2400	HyperX	8GB	1Rx8	HX424C15FB2K2/16	SS			C15	1.2v	v	v	v	2133		
2400	HyperX	8GB	1Rx8	HX424C15FB2/8	SS			C15	1.2v	v	v	v	2133		
2400	HyperX	8GB	2Rx8	HX424C15FBK4/32	DS	PSC		15-15-15-35	1.2v	v	v	v	2400		
2400	HyperX	8GB	2Rx8	HX424C15FBK2/16	DS	PSC		15-15-15-35	1.2v	v	v	v	2400		
2400	HyperX	8GB	2Rx8	HX424C15FB/8	DS	PSC		15-15-15-35	1.2v	v	v	v	2400		
2400	HyperX	16GB	2Rx8	HX424C15FBK4/64	DS			C15	1.2v		v	v	2133		
2400	HyperX	16GB	2Rx8	HX424C15FBK2/32	DS			C15	1.2v		v	v	2133		
2400	HyperX	16GB	2Rx8	HX424C15FB/16	DS			C15	1.2v	v	v	v	2133		
2400	HyperX	16GB	2Rx8	HX424C15FBK2/32	DS	PSC		15-15-15-35	1.2v	v	v	v	2400		
2400	HyperX	16GB	2Rx8	HX424C15FB/16	DS	PSC		15-15-15-35	1.2v	v	v	v	2400		
2400	Kingston	4GB	1Rx8	KVR24N17S6/4	SS	PSC		17-17-17-39	1.2v	v			2400		
2400	Kingston	8GB	2Rx8	KVR24N17D8/8	DS	Micron		CL17	1.2v	v			2400		
2400	Kingston	8GB	1Rx8	KVR24N17S8/8	SS	Micron		CL17	1.2v	v	v		2400		
2400	Kingston	8GB	2Rx8	KVR24N17S8/8	DS	PSC		17-17-17-39	1.2v	v			2400		
2400	Kingston	16GB	2Rx8	KVR24N17D8/16	DS	Micron		CL17	1.2v	v	v		2400		
2400	CORSAIR	4GB	1Rx8	CMK8GX4M2D2400C14 ver.3.11	SS	Micron		14-16-16-31	1.2v	v	v	v	2133		
2400	CORSAIR	8GB	1Rx8	CMK64GX4M8A2400C14 ver.4.24	SS	Samsung		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	CMK128GX4M8A2400C16 ver.3.31	SS	Micron		16-16-16-39	1.2v	v	v	v	2133		
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16 ver.5.30	SS	Hynix		16-16-16-39	1.2v	v	v	v	2133		
2400	CORSAIR	8GB	1Rx8	CMK32GX4M4A2400C14 ver.3.31	SS	Micron		14-16-16-31	1.2v	v	v	v	2133		
2400	CORSAIR	8GB	1Rx8	CMK16GX4M2D2400C14 ver.4.21	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 ver.5.30	DS	Hynix		14-16-16-31	1.2v	v	v	v	2133		
2400	CORSAIR	16GB	2Rx8	CMK64GX4M4A2400C16 ver.3.32	DS	Micron		16-16-16-39	1.2v	v	v	v	2133		
2400	G.SKILL	8GB	2Rx8	F4-2400C15Q2-64GRK	DS			15-15-15-35	1.2v	v	v	v	2133		
2400	G.SKILL	8GB	1Rx8	F4-2400C17S-9GDB	SS			17-17-17-39	1.2v	v	v	v	2400		
2400	G.SKILL	16GB	2Rx8	F4-2400C15Q2-128GRK	DS			15-15-15-35	1.2v	v	v	v	2133		
2400	GALAX	16GB	2Rx8	GALAX D4-2400 16G C17	DS			17-17-17-39	1.2v	v	v	v	2400		
2400	ADATA	4GB	1Rx8	ADUJ2400W4G17-B	SS	PSC		17-17-17-39	1.2v	v	v	v	2400		
2400	Apacer	8GB	2Rx8	AU08GGB24CETBGC	DS			CL17	1.2v		v		2400		
2400	Apacer	8GB	1Rx8	AU08GGB24CEYBGC	SS			CL17	1.2v	v	v	v	2400		
2400	Apacer	16GB	2Rx8	AHU16GB24CDU7V	DS			16-16-16-36	1.2v	v	v	v	2133		
2400	Antec	8GB	1Rx8	AMD4U2124001508G-3S	SS	Samsung		15-15-15-39	1.2v	v	v	v	2400		
2400	CRUCIAL	8GB	1Rx8	CT8G4DFS24A.8FB1	SS	Micron		CL17	1.2v	v	v	v	2400		
2400	CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FAR	DS	Micron		16-16-16-39	1.2v	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.16FB1	DS	Micron		CL17	1.2v	v	v	v	2400	v	
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	v	2400		
2400	GEIL	4GB	1Rx8	GSB48GB2400C17DC	SS			17-17-17-39	1.2v	v	v	v	2400		
2400	GEIL	4GB	1Rx8	GSB416GB2400C17QC	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	2133		v
2400	GEIL	4GB	1Rx8	GAL548GB2400C16DC	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	v	2400		v
2400	GEIL	4GB	1Rx8	GLS48GB2400C17DC	SS			17-17-17-39	1.2v	v	v	v	2400		v
2400	GEIL	4GB	1Rx8	GLS416GB2400C17QC	SS			17-17-17-39	1.2v	v	v	v	2400		v
2400	GEIL	8GB	2Rx8	GSB48GB2400C16SC	DS			16-16-16-36	1.2v						

Qualified Vendors List (QVL) (Picasso APU)

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	GEIL	8GB	1Rx8	GSB48GB2400C175C	SS			17-17-17-39	1.2v	v	v		2400		
2400	GEIL	8GB	1Rx8	GSB416GB2400C17DC	SS			17-17-17-39	1.2v	v	v		2400		
2400	GEIL	8GB	1Rx8	GSB432GB2400C17QC	SS			17-17-17-39	1.2v	v	v		2400		
2400	GEIL	8GB	2Rx8	GLS48GB2400C16SC	DS			16-16-16-36	1.2v	v	v	v	2133		v
2400	GEIL	8GB	2Rx8	GLS416GB2400C16DC	DS			16-16-16-36	1.2v	v	v	v	2133		v
2400	GEIL	8GB	2Rx8	GLS432GB2400C16QC	DS			16-16-16-36	1.2v	v	v	v	2133		v
2400	GEIL	8GB	2Rx8	GLS48GB2400C175C	DS			17-17-17-39	1.2v	v	v		2400		v
2400	GEIL	8GB	2Rx8	GLS416GB2400C17DC	DS			17-17-17-39	1.2v	v	v		2400		v
2400	GEIL	16GB	2Rx8	GLS464GB2400C16QC	DS			16-16-16-36	1.2v	v	v	v	2133		v
2400	GEIL	16GB	2Rx8	GLS416GB2400C175C	DS			17-17-17-39	1.2v	v	v		2400		v
2400	GEIL	16GB	2Rx8	GLS432GB2400C17DC	DS			17-17-17-39	1.2v	v	v		2400		v
2400	GEIL	16GB	2Rx8	GLS464GB2400C17QC	DS			17-17-17-39	1.2v	v	v		2400		v
2400	GALAX	4GB	1Rx8	GAM48XLSB240016JE164C	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	GLOWAY	8GB	2Rx8	8G-2400	DS			15-15-15-35	1.2v	v	v	v	2133		
2400	HYUNDAI Inc	4GB	1Rx8	HYE4G24C17	SS			17-17-17-39	1.2v	v	v		2400		
2400	HYUNDAI Inc	8GB	1Rx8	HYE8G24C17	SS			17-17-17-39	1.2v	v	v		2400		
2400	HYUNDAI Inc	16GB	2Rx8	HYE16G24C17	DS			17-17-17-39	1.2v	v	v		2400		
2400	KLEVV	8GB	1Rx8	KM48GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	v	v	v	2400		
2400	KLEVV	8GB	1Rx8	KM428GX1N-2400-15-15-15-35-1	SS			15-15-15-35	1.2v	v	v	v	2400		
2400	KLEVV	16GB	2Rx8	KM4216X1N-2400-15-15-15-35-0	DS			15-15-15-35	1.2v	v	v	v	2400		
2400	KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLBU Z11C	SS	Spectek		17-17-17-39	1.2v	v	v		2400		
2400	KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLBU 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	8GB	1Rx8	RUD408GS2400C12	SS			16-16-16-36	1.2v	v	v		2400		
2400	PATRIOT	4GB	1Rx8	PVE48G2400SKRD	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	Team	4GB	1Rx8	TED416G2400C16QC01	SS			16-16-16-39	1.2v	v	v		2400		
2400	Team	4GB	1Rx8	TED48G2400C16DC01	SS			16-16-16-39	1.2v	v	v		2400		
2400	Team	4GB	1Rx8	TED44G2400C1601	SS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TED432G2400C16QC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TPRD432G2400HC16QC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TPD432G2400HC16QC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TED416G2400C16DC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TPRD416G2400HC16DC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TPD416G2400HC1601	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TPRD48G2400HC1601	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	2Rx8	TPD48G2400HC1601	DS			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	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	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	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			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	1Rx8	TED416G2400C16DC01	SS			16-16-16-39	1.2v	v	v		2400		
2400	Team	8GB	1Rx8	TED48G2400C1601	SS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TED464G2400C16QC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TPRD464G2400HC16QC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TPD464G2400HC16QC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TED432G2400C16DC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TPRD432G2400HC16DC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TPD432G2400HC16DC01	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TED416G2400C1601	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	2Rx8	TPRD416G2400HC1601	DS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	1Rx8	TED432G2400C16DC01	SS			16-16-16-39	1.2v	v	v		2400		
2400	Team	16GB	1Rx8	TED416G2400C1601	SS			16-16-16-39	1.2v	v	v		2400		
2400	Panram	8GB	1Rx8	PUD42400C158G4NJW	SS			CL15	1.2v	v	v		2400		
2400	Samsung	4GB	1Rx16	M378A5244CB9-CRC	SS				1.2v	v	v		2400		
2400	VISENTA	8GB	1Rx8	DDR4 2400 8G	SS			17-17-17-40	1.2v	v	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	v			
2133	CORSAIR	8GB	2Rx8	CMD32GX4M4B2133C10	DS			10-12-12-31	1.35v	v	v	v			
2133	CORSAIR	16GB	2Rx8	CMV16GX4M1A2133C15	DS			C15	1.2v	v	v	v			
2133	CORSAIR	16GB	2Rx8	CMK32GX4M2A2133C13	DS			13-15-15-28	1.2v	v	v	v			
2133	CORSAIR	16GB	2Rx8	CMK128GX4M8A2133C13	DS			13-15-15-28	1.2v	v	v	v			
2133	G.SKILL	8GB	1Rx8	F4-2133C1S5-8GIS	SS			15-15-15-35	1.2v	v	v	v			
2133	Apacer	4GB	1Rx8	AU04GGB13CDTBGH	SS			CL15	1.2v	v	v				
2133	CRUCIAL	8GB	1Rx8	CT8G4DFS8213.8FB1	SS	Micron		CL15	1.2v	v	v				
2133	CRUCIAL	16GB	2Rx8	CT16G4DFD8213.16FB1	DS	Micron		CL15	1.2v	v	v				
2133	GLOWAY	4GB	1Rx8	4G-2133	SS			15-15-15-35	1.2v	v	v				
2133	KLEVV	4GB	1Rx8	KM4B4GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	v	v				
2133	KLEVV	8GB	1Rx8	KM4B8GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	v	v				
2133	KLEVV	16GB	2Rx8	KM4B16X1N-2133-15-15-15-35-0	DS			15-15-15-35	1.2v	v	v				
2133	Panram	8GB	1Rx8	PUD42133C158G2V5	SS			CL15	1.2v	v	v				
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		v	
2133	V-Color	8GB	1Rx8	TC48G21S815-IMS	SS			CL15	1.2v	v	v				
2133	V-Color	16GB	2Rx8	TE416G21D815	DS	SKHynix		CL15	1.2v	v	v	v		v	

* 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或更高**時，系統的穩定性會依據CPU的效率而有所差異

• 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, andchips 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/顆數等之記憶體模組。