

Memory Module Platform Compatibility List

▶ INTEL LGA 1851

Frequency	Motherboard		Memory IC	Rank	CPU
8000 MT/s	ASUS	PRIME Z890-P/WIFI(Hynix A only)	Hynix A (2GB)	Single Rank	Intel Core Ultra 200 series
		TUF GAMING Z890-PRO/PLUS WIFI			
		Z890 AYW GAMING WIFI W			
		Z890 MAX GAMING WIFI 7			
		ROG STRIX Z890/A/E/F GAMING WIFI			
	ROG Z890 HERO				
	ROG Z890 EXTREME				
	ROG Z890 APEX				
	PRO Z890-S				
	MSI	PRO Z890-P/A/GAMING PLUS/WIFI			
		MAG Z890 TOMAHAWK WIFI			
		MPG Z890 EDGE TI WIFI			
		MPG Z890 CARBON WIFI			
		MEG Z890 ACE			
	MEG Z890 GODLIKE				
MEG Z890 UNIFY X					
Z890 AORUS MASTER					
Z890 ELITE X/WIFI 7					
GBT	Z890 ELITE X ICE/WIFI 7				
	Z890i AORUS PRO				
	Z890 GAMING X				
	TUF GAMING Z890-PRO/PLUS WIFI				
	Z890 AYW GAMING WIFI W				
8200 MT/s	ASUS	Z890 MAX GAMING WIFI 7	Hynix A (2GB) Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series
		ROG STRIX Z890-A GAMING WIFI S			
		ROG STRIX Z890-E GAMING WIFI W			
		ROG STRIX Z890-F GAMING WIFI			
		ROG Z890 EXTREME			
	ROG Z890 HERO				
	ROG Z890 APEX				
	PRO Z890-S				
	MSI	PRO Z890-P/A/GAMING PLUS/WIFI			
		MAG Z890 TOMAHAWK WIFI			
		MPG Z890 EDGE TI WIFI			
		MPG Z890 CARBON WIFI			
		MEG Z890 ACE			
	MEG Z890 UNIFY X				
	Z890 AORUS MASTER				
Z890 ELITE X/WIFI 7					
GBT	Z890 ELITE X ICE/WIFI 7				
	Z890i AORUS PRO				
	Z890 GAMING X				
	ROG STRIX Z890-A GAMING WIFI S				
	ROG STRIX Z890-E GAMING WIFI W				
8400 MT/s	ASUS	ROG STRIX Z890-F GAMING WIFI	Hynix A (2GB)	Single Rankv	Intel Core Ultra 200 series
		ROG Z890 EXTREME			
		ROG Z890 HERO			
		ROG Z890 APEX			
		PRO Z890-S			
	PRO Z890-P				
	MSI	PRO Z890-P/A/GAMING PLUS/WIFI			
		MPG Z890 EDGE TI WIFI			
		MPG Z890 CARBON WIFI			
		MEG Z890 ACE			
		MEG Z890 UNIFY X			
	GBT	ROG STRIX Z890-A GAMING WIFI S			
		ROG STRIX Z890-E GAMING WIFI W			
		ROG STRIX Z890-F GAMING WIFI			
		ROG Z890 EXTREME			
ROG Z890 HERO					
8400 MT/s	ASUS	ROG Z890 APEX	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series
		ROG Z890 EXTREME			
		PRO Z890-S			
		PRO Z890-P/A/GAMING PLUS/WIFI			
		MAG Z890 TOMAHAWK WIFI			
	MSI	MPG Z890 EDGE TI WIFI			
		MPG Z890 CARBON WIFI			
		MEG Z890 ACE			
		MEG Z890 GODLIKE			
		MEG Z890 UNIFY X			
	GBT	Z890 AORUS MASTER			
		Z890 ELITE X/WIFI 7			
		Z890 ELITE X ICE/WIFI 7			
		Z890i AORUS PRO			
		Z890 GAMING X			
8600 MT/s	ASUS	ROG STRIX Z890-A GAMING WIFI S	Hynix A (2GB)	Single Rank	Intel Core Ultra 200 series
		ROG STRIX Z890-E GAMING WIFI W			
		ROG STRIX Z890-F GAMING WIFI			
		ROG Z890 EXTREME			
		ROG Z890 HERO			
	ROG Z890 APEX				
	PRO Z890-P				
	MSI	MAG Z890 TOMAHAWK WIFI			
		MPG Z890 EDGE TI WIFI			
		MPG Z890 CARBON WIFI			
		MEG Z890 ACE			
		MEG Z890 UNIFY X			
	GBT	ROG STRIX Z890-A GAMING WIFI S			
		ROG STRIX Z890-E GAMING WIFI W			
		ROG STRIX Z890-F GAMING WIFI			
ROG Z890 EXTREME					
ROG Z890 HERO					
8600 MT/s	ASUS	ROG Z890 APEX	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series
		ROG Z890 EXTREME			
		PRO Z890-P			
		MAG Z890 TOMAHAWK WIFI			
		MPG Z890 EDGE TI WIFI			
	MSI	MPG Z890 CARBON			
		MEG Z890 ACE			
		MEG Z890 UNIFY X			
		ROG Z890 HERO			
		ROG Z890 APEX			
	GBT	ROG Z890 EXTREME			
		MEG Z890 ACE			
		MEG Z890 UNIFY X			
		ROG Z890 HERO			
		ROG Z890 APEX			
8800 MT/s	ASUS	ROG Z890 EXTREME	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series
		MEG Z890 ACE			
		MEG Z890 UNIFY X			
		Z890 AORUS MASTER			
		Z890 ELITE X/WIFI 7			
	MSI	Z890 ELITE X ICE/WIFI 7			
		Z890i AORUS PRO			
		Z890 GAMING X			
		ROG STRIX Z890-A GAMING WIFI S			
		ROG STRIX Z890-E GAMING WIFI W			
	GBT	ROG STRIX Z890-F GAMING WIFI			
		ROG Z890 EXTREME			
		ROG Z890 HERO			
		ROG Z890 APEX			
		PRO Z890-P			
9200 MT/s	ASUS	ROG Z890 APEX	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series
	MSI	MEG Z890 UNIFY X			
		MEG Z890 UNIFY X			

▶ INTEL LGA 1700

Frequency	Motherboard	Memory IC	Rank	CPU	Note				
≤6000 MT/s	ASUS	ASUS PRIME Z690-A/P/WIFI	Hynix A (2GB) Hynix M (2GB) Hynix M (3GB) Spectek Y52 (2GB)	Single/Dual Rank	12th Gen Intel Core(non-K series) 12th Gen Intel Core(K / KF series) 13th Gen Intel Core(non-K series) 13th Gen Intel Core(K/KF series) 14th Gen Intel Core(non-K series) 14th Gen Intel Core(K/KF series)	Z690/B660/B760/ Z790REFRESH/ B760REFRESH CHIPSET 6Layer+ MB Supported			
		ROG STRIX Z690-A/E/G/I GAMING WIFI							
		ROG STRIX B660-A/I/G/F GAMING WIFI							
		PRIME Z790-A/V/P/WIFI							
		ROG STRIX Z790-F/E/I GAMING WIFI							
		ROG Z790 HERO/DARK HERO/EXTREME							
	MSI	ROG STRIX B760-I/G/A/BTF GAMING WIFI							
		B760M-T/P/T/R2.0							
		PRIME B760M-A/P/AYW/WIFI							
		MSI PRO Z690-A/P/WIFI							
		Z690TOMAHAWK/FORCE/EDGE/EDGE II WIFI							
		Z690 CARBON/UNIFY/ACE GODLIKE							
	GBT	PRO B660(M)-P/G/A WIFI							
		PRO Z790-AJ-P							
		Z790 CARBON/UNIFY/ACE GODLIKE							
		PRO B760M-A/B/E/G							
		B760M MORTAR(MAX)/GAMING/EDGE WIFI							
		Z690 AORUS PRO/ELITE/GAMING X							
ASUS	Z690 AORUS MASTER/EXTREME								
	B660M AORUS ELITE AX/PRO/PRO AX								
	Z790 EAGLE/UD/GAMING/GAMING X								
	Z790 AORUS PRO X/ELITE/ELITE X/AX ICE								
	Z790 AORUS MASTER/EXTREME								
	Z790 AORUS MASTER/EXTREME								
6400 MT/s	ASUS	ASUS PRIME Z690-A/P/WIFI	Hynix A (2GB) Hynix M (2GB) Hynix M (3GB) Spectek Y52 (2GB)	Single Rank	12th Gen Intel Core(non-K series) 12th Gen Intel Core(K / KF series) 13th Gen Intel Core(non-K series) 13th Gen Intel Core(K/KF series) 14th Gen Intel Core(non-K series) 14th Gen Intel Core(K/KF series)	Z690/B760/Z790/ REFRESH/B760/ REFRESH CHIPSET 6Layer+ MB Supported			
		ROG STRIX Z690-A/E/G/I GAMING WIFI							
		PRIME Z790-A/V/P/WIFI							
		ROG STRIX Z790-F/E/I GAMING WIFI							
		ROG Z790 HERO/DARK HERO/EXTREME							
		ROG STRIX B760-I/G/A/BTF GAMING WIFI							
	MSI	B760M-T/P/T/R2.0							
		PRIME B760M-A/P/AYW/WIFI							
		MSI PRO Z690-A/P/WIFI							
		Z690 TOMAHAWK/FORCE/EDGE/EDGE II WIFI							
		Z690 CARBON/UNIFY/ACE GODLIKE							
		PRO Z790-AJ-P							
	GBT	Z790 CARBON/UNIFY/ACE GODLIKE							
		PRO B760M-A/B/E/G							
		B760M MORTAR(MAX)/GAMING/EDGE WIFI							
		Z690 AORUS PRO/ELITE/GAMING X							
		Z690 AORUS MASTER/EXTREME							
		Z790 EAGLE/UD/GAMING/GAMING X							
ASUS	Z790 AORUS PRO X/ELITE/ELITE X/AX ICE								
	Z790 AORUS MASTER/EXTREME								
	ROG STRIX Z790-F/E/I GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	DUAL Rank	13th Gen Intel Core(non-K series) 13th Gen Intel Core(K/KF series) 14th Gen Intel Core(non-K series) 14th Gen Intel Core(K/KF series)	Z790/REFRESH B760/REFRESH CHIPSET 6Layer+ MB Supported				
	ROG Z790 HERO/DARK HERO/EXTREME								
	ROG STRIX B760-I/G/A/BTF GAMING WIFI								
	B760M-T/P/T/R2.0								
PRIME B760M-A/P/AYW/WIFI									
PRO Z790-AJ-P									
MSI	Z790 CARBON/UNIFY/ACE GODLIKE								
	PRO B760M-A/B/E/G								
	B760M MORTAR(MAX)/GAMING/EDGE WIFI								
	Z790 EAGLE/UD/GAMING/GAMING X								
	Z790 AORUS PRO X/ELITE/ELITE X/AX ICE								
	Z790 AORUS MASTER/EXTREME								
ASUS	Z790 AORUS MASTER/EXTREME					Hynix A (2GB) Hynix M (3GB)	Single Rank	13th Gen Intel Core(non-K series) 13th Gen Intel Core(K/KF series) 14th Gen Intel Core(non-K series) 14th Gen Intel Core(K/KF series)	Z790REFRESH B760/REFRESH CHIPSET 6Layer+ MB Supported
	PRIME Z790-A/V/P/WIFI								
	ROG STRIX Z790-F/E/I GAMING WIFI								
	ROG Z790 HERO/DARK HERO/EXTREME								
	ROG STRIX B760-I/G/A/BTF GAMING WIFI								
	B760M-T/P/T/R2.0								
MSI	PRIME B760M-A/P/AYW/WIFI								
	PRO Z790-AJ-P								
	Z790 CARBON/UNIFY/ACE GODLIKE								
	PRO B760M-A/B/E/G								
	B760M MORTAR(MAX)/GAMING/EDGE WIFI								
	Z790 EAGLE/UD/GAMING/GAMING X								
GBT	Z790 AORUS PRO X/ELITE/ELITE X/AX ICE								
	Z790 AORUS MASTER/EXTREME								
	PRIME Z790-A/V/P/WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	13th Gen Intel Core(K/KF series) 14th Gen Intel Core(non-K series) 14th Gen Intel Core(K/KF series)	B760/Z790REFRESH B760/REFRESH CHIPSET 6Layer+ MB Supported				
	ROG STRIX Z790-F/E/I GAMING WIFI								
	ROG Z790 HERO/DARK HERO/EXTREME								
	ROG STRIX B760-I/G/A/BTF GAMING WIFI								
B760M-T/P/T/R2.0									
PRIME B760M-A/P/AYW/WIFI									
MSI	PRO Z790-AJ-P								
	Z790 CARBON/UNIFY/ACE GODLIKE								
	PRO B760M-A/B/E/G								
	B760M MORTAR(MAX)/GAMING/EDGE WIFI								
	Z790 EAGLE/UD/GAMING/GAMING X								
	Z790 AORUS PRO X/ELITE/ELITE X/AX ICE								
GBT	Z790 AORUS MASTER/EXTREME								
	ASUS ROG Z790 APEX/ENCORE					Hynix A (2GB) Hynix M (3GB)	Single Rank	13th Gen Intel Core(K/KF series) 14th Gen Intel Core(K/KF series)	Z790/REFRESH B760/REFRESH CHIPSET 2DIMM MB Supported
	B760M-T								
	B760M-P								
	B760M-D3C								
	B760M-D3H								
ASUS PRIME B760M-K									
ASUS	ASUS Z790 AYW OC WIFI								
	ASUS B760M-AYW WIFI								
	PRO Z790-AJ-P								
	Z790 MPOWER								
	MSI Z790I EDGE WIFI								
	B760M GAMING WIFI								
MSI	Z790 AORUS TACHYON								
	ASROCK Z790I Lightning WiFi	Hynix A (2GB) Hynix M (3GB)	Single Rank	13th Gen Intel Core(K/KF series) 14th Gen Intel Core(K/KF series)	Z790/REFRESH CHIPSET 2DIMM MB Supported				
	ASUS ROG Z790 APEX/ENCORE								
	ASUS Z790 AYW OC WIFI								
	ASROCK Z790I Lightning WiFi								
	ASUS ROG Z790 APEX ENCORE								
ASROCK Z790I Lightning WiFi									
ASUS	ASUS ROG Z790 APEX ENCORE					Hynix M (3GB)	Single Rank	13th Gen Intel Core(K/KF series) 14th Gen Intel Core(K/KF series)	/
	ASROCK Z790I Lightning WiFi								
	ASUS Z790 AYW OC WIFI								
	ASROCK Z790I Lightning WiFi								
	ASUS ROG Z790 APEX ENCORE								
	ASROCK Z790I Lightning WiFi								

▶ AMD B650 & X670

Data Rate	Motherboard	Memory IC	Rank	CPU	Note	
≤6000 MT/s	ASUS	ASUS TUF GAMING B650M-PLUS/WIFI	Hynix A (2GB) Hynix M (2GB) Hynix M (3GB) Spectek Y52 (2GB)	Single/Dual Rank	7000 Rapheal (X3D included) 8000 PHX APU 9000 GNR	AMD B650/E X670/E CHIPSET 6Layer+ MB Supported
		ROG STRIX B650E-F GAMING WIFI				
		ROG STRIX B650E-I GAMING WIFI				
		ROG STRIX B650-A GAMING WIFI				
	MSI	ASUS EX-B650M-V7				
		MSI B650M-PIA/B/E				
		MSI B650M MORTAR/WIFI				
		MSI B650M GAMING/PLUS WIFI				
	GBT	MSI B650 CARBON WIFI				
		MSI B650I EDGE WIFI				
		GBT B650M GAMING WIFI				
		GBT B650M AORUS ELITE AX/ICE				
	GBT B650I AORUS ULTRA					
	GBT B650 GAMING X/AX					
	B650M H/D2H/DS3H					
6400 MT/s	ASUS	ASUS TUF GAMING B650M-PLUS/WIFI	Hynix A (2GB) Hynix M (2GB) Hynix M (3GB)	Single Rank	7000 Rapheal (X3D included) 8000 PHX APU 9000 GNR	AMD B650/E X670/E CHIPSET 6Layer+ MB Supported
		ROG STRIX B650E-F GAMING WIFI				
		ROG STRIX B650E-I GAMING WIFI				
		ROG STRIX B650-A GAMING WIFI				
	MSI	MSI B650M MORTAR/WIFI				
		MSI B650M GAMING/PLUS WIFI				
		MSI B650 CARBON WIFI				
		MSI B650I EDGE WIFI				
	GBT	GBT B650M GAMING WIFI				
		GBT B650M AORUS ELITE AX/ICE				
		GBT B650I AORUS ULTRA				
		GBT B650M GAMING X/AX				
6800 MT/s	ASUS	ASUS TUF GAMING B650M-PLUS/WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	7000 Rapheal (X3D included) 8000 PHX APU 9000 GNR	AMD B650/E X670/E CHIPSET 6Layer+ MB Supported
		ROG STRIX B650E-F GAMING WIFI				
		ROG STRIX B650E-I GAMING WIFI				
		ROG STRIX B650-A GAMING WIFI				
	MSI	MSI B650M MORTAR/WIFI				
		MSI B650M GAMING/PLUS WIFI				
		MSI B650 CARBON WIFI				
		MSI B650I EDGE WIFI				
	GBT	GBT B650M GAMING WIFI				
		GBT B650M AORUS ELITE AX/ICE				
		GBT B650I AORUS ULTRA				
		GBT B650M GAMING X/AX				
7200 MT/s	ASUS	ROG CROSSHAIR X670E HERO/EXTREME	Hynix A (2GB) Hynix M (3GB)	Single Rank	7000 Rapheal (X3D included) 8000 PHX APU 9000 GNR	AMD B650/E X670/E CHIPSET 6Layer+ MB Supported
		ROG STRIX B650E-F GAMING WIFI				
		ROG STRIX B650E-I GAMING WIFI				
		ROG STRIX B650-A GAMING WIFI				
	MSI	MSI B650M MORTAR/WIFI				
		MSI B650M GAMING/PLUS WIFI				
		MSI B650 CARBON WIFI				
		MSI B650I EDGE WIFI				
	GBT	GBT B650M GAMING WIFI				
		GBT B650M AORUS ELITE AX/ICE				
		GBT B650I AORUS ULTRA				
		GBT B650M GAMING X/AX				
7600 MT/s	ASUS	ROG CROSSHAIR X670E HERO/EXTREME	Hynix A (2GB) Hynix M (3GB)	Single Rank	7000 Rapheal (X3D included) 8000 APU PHX	X670/E CHIPSET 8Layer+ MB Supported
		ROG STRIX X670E-A GAMING WIFI				
		ROG CROSSHAIR X670E GENE				
		MSI PRO X670-P WIFI				
	MSI	MSI MEG X670E GODLIKE				
		MSI X670 CARBON WIFI				
		X670/E AORUS MASTER				
		X670/E AORUS PRO X				
	GBT	X670E AORUS XTREME				
7600 MT/s	ASUS	ROG STRIX B650E-F GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	9000 GNR	AMD B650/E X670/E CHIPSET 6Layer+ MB Supported
		ROG STRIX B650E-I GAMING WIFI				
		ROG STRIX B650-A GAMING WIFI				
		MSI B650M MORTAR/WIFI				
	MSI	MSI B650M GAMING/PLUS WIFI				
		MSI B650 CARBON WIFI				
		MSI B650I EDGE WIFI				
		GBT B650M GAMING WIFI				
	GBT	GBT B650M AORUS ELITE AX/ICE				
		GBT B650I AORUS ULTRA				
		GBT B650M GAMING X/AX				
8000 MT/s	MSI	MSI B650M GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	8000 APU PHX	/
	ASUS	ROG CROSSHAIR X670E GENE				
	GBT	GBT B650E TACHYON				
8000 MT/s	ASUS	GBT B650E TACHYON	Hynix A (2GB) Hynix M (3GB)	Single Rank	9000 GNR	/
		ROG STRIX X670E-A GAMING WIFI				
		ROG CROSSHAIR X670E GENE				
		ROG CROSSHAIR X670E HERO				
	MSI	MSI B650M GAMING WIFI				
		MSI MEG X670E GODLIKE				
		MSI X670E CARBON WIFI				
		MSI X670-P WIFI				
	GBT	X670/E AORUS MASTER				
		B650E TACHYON				
		X670E AORUS XTREME				

▶ **AMD X870**

Data Rate	Motherboard		Memory IC	Rank	CPU	NOTE
8000 MT/s	ASUS	ROG STRIX X870-AE/UF GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	9000 GNR	
		ROG STRIX X870E-E GAMING WIFI				
		ROG X870E-HERO				
	MSI	PRO X870-P WIFI				
		X870 TOMAHAWK WIFI				
		X870E CARBON WIFI				
	GBT	X870 AORUS ELITE WIFI7/ICE				
		X870E AORUS MASTER				
		X870E AORUS PRO ICE				
8200 MT/s	ASUS	ROG STRIX X870-I GAMING WIFI	Hynix M (3GB)	Single Rank	9000 GNR	Actual support may vary by CPU IMC
	MSI	PRO X870-P WIFI	Hynix A (2GB)			
		X870 TOMAHAWK WIFI	Hynix M (3GB)			
		X870E CARBON WIFI				
8400 MT/s	MSI	X870E CARBON WIFI	Hynix M (3GB)	Single Rank	9000 GNR	

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