

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				
		ROG Z890 APEX							
		ROG Z890 EXTREME							
	MSI	MEG Z890 ACE							
		MEG Z890 UNIFY X							
		Z890 AORUS MASTER							
	GBT	Z890 ELITE X/WIFI 7							
		Z890 ELITE X ICE/WIFI 7							
		ROG Z890 APEX							
	9200 MT/s	ASUS				ROG Z890 APEX	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series
		MSI				MEG Z890 UNIFY X			

▶ 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-A/E/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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