

Memory Module Platform Compatibility List

INTEL LGA 1851

Data Rate	Motherboard		Memory IC	Rank	CPU	NOTE
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				
	GBT	MEG Z890 UNIFY X				
		Z890 AORUS MASTER				
		Z890 ELITE X/WIFI 7				
		Z890 ELITE X ICE/WIFI 7				
		Z890I AORUS PRO				
		Z890 GAMING X				
8200 MT/s	ASUS	TUF GAMING Z890-PRO/PLUS WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series	/
		Z890 AYW GAMING WIFI W				
		Z890 MAX GAMING WIFI 7				
		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				
	MSI	PRO Z890-S				
		PRO Z890-P/A/GAMING PLUS/WIFI				
		MAG Z890 TOMAHAWK WIFI				
		MPG Z890 EDGE TI WIFI				
		MPG Z890 CARBON WIFI				
		MEG Z890 ACE				
	GBT	MEG Z890 UNIFY X				
		Z890 AORUS MASTER				
		Z890 ELITE X/WIFI 7				
		Z890 ELITE X ICE/WIFI 7				
		Z890I AORUS PRO				
		Z890 GAMING X				
8400 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				
	MSI	PRO Z890-S				
		PRO Z890-P				
		PRO Z890-P/A/GAMING PLUS/WIFI				
		MPG Z890 EDGE TI WIFI				
		MPG Z890 CARBON WIFI				
		MEG Z890 ACE				
8400 MT/s	ASUS	MEG Z890 UNIFY X	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				
	MSI	ROG Z890 APEX				
		PRO Z890-S				
		PRO Z890-P/A/GAMING PLUS/WIFI				
		MAG Z890 TOMAHAWK WIFI				
		MPG Z890 EDGE TI WIFI				
		MPG Z890 CARBON WIFI				
	GBT	MEG Z890 ACE				
		MEG Z890 UNIFY X				
		Z890 AORUS MASTER				
		Z890 ELITE X/WIFI 7				
		Z890 ELITE X ICE/WIFI 7				
		Z890I AORUS PRO				
8600 MT/s	ASUS	Z890 GAMING X	Hynix A (2GB)	Single Rank	Intel Core Ultra 200 series	Actual Support May Vary by CPU IMC
		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				
	MSI	ROG Z890 APEX				
		PRO Z890-P				
		MAG Z890 TOMAHAWK WIFI				
		MPG Z890 EDGE TI WIFI				
		MPG Z890 CARBON WIFI				
		MEG Z890 ACE				
8600 MT/s	ASUS	MEG Z890 UNIFY X	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				
	MSI	ROG Z890 APEX				
		ROG Z890 EXTREME				
		PRO Z890-P				
		MAG Z890 TOMAHAWK WIFI				
		MPG Z890 EDGE TI WIFI				
		MPG Z890 CARBON				
		MEG Z890 ACE				
	MEG Z890 UNIFY X					

INTEL LGA 1851

Data Rate	Motherboard		Memory IC	Rank	CPU	NOTE
8800 MT/s	ASUS	ROG Z890 HERO	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series	Actual Support May Vary by CPU IMC
		ROG Z890 APEX				
		ROG Z890 EXTREME				
	MSI	MEG Z890 ACE				
		MEG Z890 UNIFY X				
	GBT	Z890 AORUS MASTER				
		Z890 ELITE X/WIFI 7				
Z890 ELITE X ICE/WIFI 7						
8800 MT/s	ASUS	ROG Z890 HERO	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series	
		ROG Z890 APEX				
		ROG Z890 EXTREME				
	MSI	MEG Z890 ACE				
		MEG Z890 UNIFY X				
	GBT	Z890 AORUS MASTER				
		Z890 ELITE X/WIFI 7				
Z890 ELITE X ICE/WIFI 7						
9200 MT/s	ASUS	ROG Z890 APEX	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series	
	MSI	MEG Z890 UNIFY X				
	ASROCK	Z890 OC FORMULA				
9466-9600MT/s	MSI	MEG Z890 UNIFY X	Hynix M (3GB)	Single Rank	Intel Core Ultra 200 series	
	ASROCK	Z890 OC FORMULA				

INTEL LGA1700

Data Rate	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				
		ROG STRIX B760-I/G/A/BTF GAMING WIFI				
		B760M-T/P/T/R2.0				
	MSI	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 B660(M)-P/G/A WIFI				
		PRO Z790-A/P				
		Z790 CARBON/UNIFY/ACE GODLIKE				
		PRO B760M-A/B/E/G				
	GBT	B760M MORTAR(MAX)/GAMING/EDGE WIFI				
		Z690 AORUS PRO/ELITE/GAMING X				
		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				
		B760M-T/P/T/R2.0				
		PRIME B760M-A/P/AYW/WIFI				
	MSI	MSI PRO Z690-A/P/WIFI				
		Z690 TOMAHAWK/FORCE/EDGE/EDGE II WIFI				
		Z690 CARBON/UNIFY/ACE GODLIKE				
		PRO Z790-A/P				
		Z790 CARBON/UNIFY/ACE GODLIKE				
		PRO B760M-A/B/E/G				
		B760M MORTAR(MAX)/GAMING/EDGE WIFI				
		Z690 AORUS PRO/ELITE/GAMING X				
	GBT	Z690 AORUS MASTER/EXTREME				
		Z790 EAGLE/UD/GAMING/GAMING X				
		Z790 AORUS PRO X/ELITE/ELITE X/AX ICE				
		Z790 AORUS MASTER/EXTREME				
		Z790 AORUS MASTER/EXTREME				
		Z790 AORUS MASTER/EXTREME				
		Z790 AORUS MASTER/EXTREME				
		Z790 AORUS MASTER/EXTREME				
6400 MT/s	ASUS	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				
	MSI	PRIME B760M-A/P/AYW/WIFI				
		PRO Z790-A/P				
		Z790 CARBON/UNIFY/ACE GODLIKE				
		PRO B760M-A/B/E/G				
	GBT	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				
6800 MT/s	ASUS	PRIME Z790-A/V/P/WIFI	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
		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				
		PRO Z790-A/P				
		Z790 CARBON/UNIFY/ACE GODLIKE				
	GBT	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				
7200 MT/s	ASUS	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				
	MSI	B760M-T/P/T/R2.0				
		PRIME B760M-A/P/AYW/WIFI				
		PRO Z790-A/P				
		Z790 CARBON/UNIFY/ACE GODLIKE				
	GBT	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				
		Z790 AORUS MASTER/EXTREME				
8000 MT/s	ASUS	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 Z790 AYW OC WIFI				
		ASUS B760M-AYW WIFI				
	MSI	PRO Z790-A/P				
		Z790 MPOWER				
		MSI Z790I EDGE WIFI				
		B760M GAMING WIFI				
	GBT	Z790 AORUS TACHYON				
		Z790 AORUS TACHYON				
	ASROCK	ASROCK Z790I Lightning Wifi				
		ASROCK Z790I Lightning Wifi				
8200 MT/s	ASUS	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 CHIPSET 2DIMM MB Supported
		ASUS Z790 AYW OC WIFI				
	ASROCK	ASROCK Z790I Lightning Wifi				
8400 MT/s	ASUS	ASUS Z790 AYW OC WIFI	Hynix M (3GB)	Single Rank	13th Gen Intel Core(K/KF series) 14th Gen Intel Core(K/KF series)	/
	ASROCK	ASROCK Z790I Lightning Wifi				

► AMD B650X670

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 X6/870/ 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-P/A/B/E				
		MSI B650M MORTAR/WIFI				
		MSI B650M GAMING/PLUS WIFI				
		MSI B650 CARBON WIFI				
	GBT	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/D3H				
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 X6/870/ E CHIPSET 6Layer+ MB Supported Actual MCLK/UCLK 1/1 support may vary by CPU IMC
		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 X6/870/ 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 X670/E CHIPSET 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				
	GBT	X670/E AORUS PRO X				
7600 MT/s	ASUS	ROG STRIX B650E-F GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	9000 GNR	X670/E CHIPSET 8Layer+ MB Supported X670/E CHIPSET 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//F GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	9000 GNR	Actual support may vary by CPU IMC		
		ROG STRIX X870E-E GAMING WIFI						
		ROG X870E-HERO						
		ROG X870E APEX						
	MSI	PRO X870-P WIFI						
		X870 TOMAHAWK WIFI						
		X870E CARBON WIFI						
		PRO B840/M-B						
		B840M GAMING/Plus WIFI						
		PRO B840/M-P WIFI						
		MPG B850 EDGE TI WIFI						
		MAG B850 TOMAHAWK WIFI						
		MAG B850 MORTAR WIFI						
		B850/M GAMING PLUS WIFI						
		PRO B850/M-P WIFI						
		X870E STEEL LEGEND						
	ASROCK	B850I LIGHTNING WIFI						
		GBT					X870 AORUS ELITE WIFI7/ICE	
							X870E AORUS MASTER	
							X870E AORUS PRO ICE	
							B850 AORUS WIFI 7 ICE	
							B850 AORUS WIFI 7	
							B850/M GAMING X WIFI6E	
8200 MT/s	ASUS	ROG STRIX X870-I GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	9000 GNR	Actual support may vary by CPU IMC ! !		
		ROG STRIX B850-I GAMING WIFI						
		ROG X870E APEX						
	MSI	PRO X870-P WIFI						
		X870 TOMAHAWK WIFI						
		X870E CARBON WIFI						
		X870E GODLUKE						
		MPG B850 EDGE TI WIFI						
		MAG B850 TOMAHAWK WIFI						
		B850/M GAMING PLUS WIFI						
		PRO B850/M-P WIFI						
8400 MT/s	ASUS	ROG X870E APEX	Hynix M (3GB)	Single Rank				
	MSI	X870E CARBON WIFI						
		X870E GODLUKE						
		X870 TOMAHAWK WIFI						
		MPG B850 EDGE TI WIFI						
		MAG B850 TOMAHAWK WIFI						

Global Headquarters: BIWIN STORAGE TECHNOLOGY CO., LTD.
+86-755-2671 5701
support@biwintech.com
www.biwintech.com

America Headquarters: BIWIN TECHNOLOGY LLC
+1 (305) 456-3288

Taiwan Office: BIWIN SEMICONDUCTOR (HK) COMPANY LIMITED
+886 (2) 2795-282