

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)	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 ti WIFI				
		Z690 CARBON/UNIFY/ACE GODLIKE				
	GBT	PRO B660(M)-P/G/A WIFI				
		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				
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					
	Z690 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 ti WIFI				
		Z690 CARBON/UNIFY/ACE GODLIKE				
		PRO Z790-A/-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 MASTER/EXTREME					
	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-A/-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 /ELIET X/AX ICE					
GBT	Z790 AORUS MASTER/EXTREME					
	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					
ASUS	PRO Z790-A/-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 /ELIET X/AX ICE					
MSI	Z790 AORUS MASTER/EXTREME					
	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					
ASUS	PRIME B760M-A/P/AYW/WIFI					
	PRO Z790-A/-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 /ELIET X/AX ICE					
	Z790 AORUS MASTER/EXTREME					
	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					
ASUS	B760M-T/P/T/R2.0					
	PRIME B760M-A/P/AYW/WIFI					
	PRO Z790-A/-P					
	Z790 CARBON/UNIFY/ACE GODLIKE					
	PRO B760M-A/B/E/G					
	B760M MORTAR(MAX)/GAMING/EDGE WIFI					
MSI	Z790 EAGLE/UD/GAMING/GAMING X					
	Z790 AORUS PRO X/ELITE /ELIET X/AX ICE					
	Z790 AORUS MASTER/EXTREME					
	PRIME Z790-A/V/P/WIFI					
	ROG STRIX Z790-F/E/I GAMING WIFI					
	ROG Z790 HERO/DARK HERO/EXTREME					
ASUS	ROG STRIX B760-I/G/A/BTF GAMING WIFI					
	B760M-T/P/T/R2.0					
	PRIME B760M-A/P/AYW/WIFI					
	PRO Z790-A/-P					
	Z790 CARBON/UNIFY/ACE GODLIKE					
	PRO B760M-A/B/E/G					
ASUS	B760M MORTAR(MAX)/GAMING/EDGE WIFI					
	Z790 EAGLE/UD/GAMING/GAMING X					
	Z790 AORUS PRO X/ELITE /ELIET X/AX ICE					
	Z790 AORUS MASTER/EXTREME					
	PRIME Z790-A/V/P/WIFI					
	ROG STRIX Z790-F/E/I GAMING WIFI					
ASUS	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-A/-P					
	Z790 CARBON/UNIFY/ACE GODLIKE					
ASUS	PRO B760M-A/B/E/G					
	B760M MORTAR(MAX)/GAMING/EDGE WIFI					
	Z790 EAGLE/UD/GAMING/GAMING X					
	Z790 AORUS PRO X/ELITE /ELIET X/AX ICE					
	Z790 AORUS MASTER/EXTREME					
	PRIME Z790-A/V/P/WIFI					
ASUS	ASUS ROG Z790 APEX/ENCORE					
	B760M-T					
	B760M-P					
	B760M-D3C					
	B760M-D3H					
	ASUS PRIME B760M-K					
ASUS	ASUS Z790 AYW OC WIFI					
	ASUS B760M-AYW WIFI					
	PRO Z790-A/-P					
	Z790 MPOWER					
	MSI Z790I EDGE WIFI					
	B760M GAMING WIFI					
ASUS	Z790 AORUS TACHYON					
	ASROCK Z790I Lightning Wifi					
	ASUS ROG Z790 APEX/ENCORE					
	ASUS Z790 AYW OC WIFI					
	ASROCK Z790I Lightning Wifi					
	ASUS ROG Z790 APEX ENCORE					
ASUS	ASROCK Z790I Lightning Wifi					
	ASUS ROG Z790 APEX ENCORE					
	ASROCK Z790I Lightning Wifi					
	ASUS ROG Z790 APEX ENCORE					
	ASROCK Z790I Lightning Wifi					
	ASUS ROG Z790 APEX ENCORE					

AMD B850 & X870

Frequency	Motherboard	Memory IC	Rank	CPU	Note	
8000 MT/s	ASUS	ROG STRIX X870-A/E/I/F GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single/Dual Rank	Ryzen 9000 GNR (X3D Included)	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				
		ASROCK				
	B850I LIGHTNING WIFI					
	GIGABYTE	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	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 GODLIKE				
		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 GODLIKE				
		X870 TOMAHAWK WIFI				
		MPG B850 EDGE TI WIFI				
		MAG B850 TOMAHAWK WIFI				

Frequency	Motherboard	Memory IC	Rank	CPU	Note	
8000 MT/s	ASUS	ROG STRIX X870-A/E/I/F GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	Ryzen 9000 GNR (X3D Included)	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					
	ASROCK	X870E STEEL LEGEND				
		B850I LIGHTNING WIFI				
	G.B.T	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						
8400 MT/s	ASUS	ROG STRIX X870-I GAMING WIFI	Hynix A (2GB) Hynix M (3GB)	Single Rank	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 GOOLIKE				
		MPG B850 EDGE TI WIFI				
		MAG B850 TOMAHAWK WIFI				
		B850/M GAMING PLUS WIFI				
PRO B850/M-P WIFI						
8200 MT/s	ASUS	ROG X870E APEX	Hynix M (3GB)	Single Rank		
	MSI	X870E CARBON WIFI				
		X870E GOOLIKE				
		X870 TOMAHAWK WIFI				
		MPG B850 EDGE TI WIFI				
MAG B850 TOMAHAWK WIFI						

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