

ASUS

How to use the list:

1 Locate your motherboard model

2 Check the CPU specifications to determine which PCIe slots are compatible with the MB204MP-B/MB204MP-1B.

Motherboard					PCIe Bifurcation Settings in PCIe x16 Slots with Different CPUs						Note	
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	AMD Ryzen™ 1000 Series/ 2000 Series/ 3000 Series/ 5000 Series Processors		AMD Ryzen™ 5000 G-Series/ 4000 G-Series processors (only support PCIe Gen 3 SSDs)		AMD Ryzen™ 2000 G-Series/ 3000 G-Series processors			
					Config #1 M.2 SSD quantity	Config #2 M.2 SSD quantity	Config #1 M.2 SSD quantity	Config #2 M.2 SSD quantity	Config #1 M.2 SSD quantity	Config #2 M.2 SSD quantity		
ASUS	AMD	B450	ROG STRIX B450-E GAMING	PCIEX16_1	4(X4+X4+X4+X4) ✓	2(X4+X4)	3(X8+X4+X4)	1(X8)	2(X4+X4)		*PCIEX16_2 shares bandwidth with PCIEX16_1. When PCIEX16_1 runs at PCIe x16 mode, PCIEX16_2 will be disabled.	
			ROG STRIX B450-F GAMING	PCIEX16_2	0	2(X4+X4)	0	2(X4+X4)	0			
			ROG STRIX B450-F GAMING II	PCIEX16_3	1(X4)	1(X4)	1(X4)	1(X4)	1(X4)			
			TUF GAMING B450-PLUS II	PCIEX16_1	4(X4+X4+X4+X4) ✓		3(X8+X4+X4)		2(X4+X4)			
			TUF B450-PRO GAMING	PCIEX16_2	1(X4)		1(X4)		1(X4)			
PRIME B450M-A II	PCIEX16	0		3(X8+X4+X4)		2(X4+X4)						
ASUS	AMD	B550	ROG STRIX B550-E GAMING	PCIEX16_1	4(X4+X4+X4+X4) ✓	2(X4+X4)	3(X8+X4+X4)	1(X8)			*PCIEX16_2 share with PCIEX16_1. When PCIEX16_1 runs at PCIe x16 mode, PCIEX16_2 will be disabled.	
			ROG STRIX B550-XE GAMING WIFI	PCIEX16_2	0	2(X4+X4)	0	2(X4+X4)				
			ProART B550-Creator	PCIEX16_3	1(X4)	1(X4)	1(X4)	1(X4)				
			ROG STRIX B550-F GAMING (WI-FI)	PCIEX16_1	4(X4+X4+X4+X4) ✓		3(X8+X4+X4)					
			TUF GAMING B550-PLUS (WI-FI)	PCIEX16_2	1(X4)		1(X4)					
PRIME B550M-A (WI-FI)	PCIEX16	0		3(X8+X4+X4)								
ASUS	AMD	B650	ROG STRIX B650E-E GAMING WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓	2(X4+X4)					*PCIEX16_2 share with PCIEX16_1. When PCIEX16_1 runs at PCIe x16 mode, PCIEX16_2 will be disabled.	
			ROG STRIX B650E-E GAMING WIFI	PCIEX16_2	0	1(X4)						
			ProArt B650-CREATOR	PCIEX16_3	1(X4)	1(X4)						
			ROG STRIX B650E-F GAMING WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓							
			TUF GAMING B650-PLUS (WI-FI)	PCIEX16_2	1(X4)							
PRIME B650M-A (WI-FI)	PCIEX16	0										
ASUS	AMD	X399	ROG STRIX X399-E GAMING	PCIEX16_1	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓			*PCIEX4 slot only run at PCIe Gen 2x4 bandwidth.	
			ROG STRIX X399-E GAMING	PCIEX16_2	2(X4+X4)	2(X4+X4)	2(X4+X4)	2(X4+X4)				
			PRIME X399-A	PCIEX16_3	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓				
			ROG ZENITH EXTREME	PCIEX16_4	2(X4+X4)	2(X4+X4)	2(X4+X4)	2(X4+X4)				
			ROG ZENITH EXTREME	PCIEX4	1(X4)	1(X4)	1(X4)	1(X4)				
ASUS	AMD	X470	CROSSHAIR VII HERO	PCIEX16_1	4(X4+X4+X4+X4) ✓	2(X4+X4)	3(X8+X4+X4)	1(X8)	2(X4+X4)		*PCIEX16_2 share with PCIEX16_1. When PCIEX16_1 runs at PCIe x16 mode, PCIEX16_2 will be disabled.	
			CROSSHAIR VII HERO (WI-FI)	PCIEX16_2	0	2(X4+X4)	0	2(X4+X4)	0			
			ROG STRIX X470-F GAMING	PCIEX16_3	1(X4)	1(X4)	1(X4)	1(X4)	1(X4)			
			PRIME X470-PRO	PCIEX16_1	4(X4+X4+X4+X4) ✓		3(X8+X4+X4)		2(X4+X4)			
			TUF X470-PLUS GAMING	PCIEX16_2	1(X4)		1(X4)		1(X4)			
ASUS	AMD	X570	ROG Crosshair VIII Extreme	PCIEX16_1	4(X4+X4+X4+X4) ✓	2(X4+X4)	4(X4+X4+X4+X4) ✓	2(X4+X4)	3(X8+X4+X4)	1(X8)	2(X4+X4)	*PCIEX16_2 share with PCIEX16_1. When PCIEX16_1 runs at PCIe x16 mode, PCIEX16_2 will be disabled.
			ROG Crosshair VIII Dark Hero	PCIEX16_2	0	2(X4+X4)	0	2(X4+X4)	0	2(X4+X4)	0	
			ROG Crosshair VIII Formula	PCIEX16_3	1(X4)	1(X4)	1(X4)	1(X4)	1(X4)	1(X4)	1(X4)	
			ROG Crosshair VIII Hero (WI-FI)	PCIEX16_1	4(X4+X4+X4+X4) ✓		4(X4+X4+X4+X4) ✓		3(X8+X4+X4)		2(X4+X4)	
			ROG STRIX X570-E GAMING II	PCIEX16_2	1(X4)		1(X4)		1(X4)		1(X4)	
PRIME X570-P	PCIEX16	0		0		1(X4)		1(X4)				
ASUS	AMD	X670E	ROG CROSSHAIR X670E EXTREME	PCIEX16_1	4(X4+X4+X4+X4) ✓	2(X4+X4)	2(X4+X4)				*PCIEX16_2 share with PCIEX16_1 and M.2_2. When PCIEX16_1 runs at PCIe x16 mode or M.2_2 is used, PCIEX16_2 will be disabled.	
			ROG CROSSHAIR X670E EXTREME	PCIEX16_2	0	2(X4+X4)	1(X4)					
			ROG CROSSHAIR X670E HERO	PCIEX16_3	4(X4+X4+X4+X4) ✓	2(X4+X4)	2(X4+X4)					
			ROG STRIX X670E-E GAMING WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓		2(X4+X4)					
			ProArt X670E-CREATOR WIFI	PCIEX16_2	1(X2)		1(X2)					

ASUS	AMD	X670	ROG STRIX X670E-F GAMING WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓																														
			ROG STRIX X670E-A GAMING WIFI																																
			TUF GAMING X670E-PLUS WIFI																																
			PRIME X670E-PRO WIFI																																
			PRIME X670-P WIFI	PCIEX16_2	1(X4)																														
			PRIME X670-P																																
			ROG CROSSHAIR X670 GENE	PCIEX16	4(X4+X4+X4+X4) ✓																														
			ROG STRIX X670E-I GAMING WIFI																																
			PRIME X670-P WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓																														
			PRIME X670E-P	PCIEX16_2	1(X4)																														
			PRIME X670-P	PCIEX16_3	1(X4)																														
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	AMD Ryzen™ 7000 Series Desktop Processors								Note																						
					Config #1																														
					M.2 SSD quantity																														
ASUS	AMD	A620	TUF GAMING A620-PRO WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓																														
			PRIME A620-PLUS WIFI																																
			TUF GAMING A620M-PLUS WIFI																																
			PRIME A620M-A																																
			PRIME A620M-E	PCIEX16	4(X4+X4+X4+X4) ✓																														
			PRIME A620M-K																																
			Pro A620M-C-CSM																																
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	AMD Ryzen™ Threadripper™ PRO Series Processors								Note																						
					Config #1																														
					M.2 SSD quantity																														
ASUS	AMD	WRX80	Pro WS WRX80-SAGE SE WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓																														
				PCIEX16_2	4(X4+X4+X4+X4) ✓																														
				PCIEX16_3	4(X4+X4+X4+X4) ✓																														
				PCIEX16_4	4(X4+X4+X4+X4) ✓																														
				PCIEX16_5	4(X4+X4+X4+X4) ✓																														
				PCIEX16_6	4(X4+X4+X4+X4) ✓																														
				PCIEX16_7	4(X4+X4+X4+X4) ✓																														
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	AMD Socket sTR5 for Ryzen™ Threadripper™ PRO 7000 WX-Series								Note																						
					Config #1																														
					M.2 SSD quantity																														
ASUS	AMD	TRX50	Pro WS TRX50-SAGE WIFI	PCIEX16_1	4(X4+X4+X4+X4) ✓																														
				PCIEX16_2	4(X4+X4+X4+X4) ✓																														
				PCIEX16_3	2(X4+X4)																														
				PCIEX16_4	0																														
				PCIEX16_5	0																														
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	AMD Socket sTR5 for Ryzen™ Threadripper™ PRO 7000 WX-Series								Note																						
					Config #1																														
					M.2 SSD quantity																														
ASUS	AMD	WRX90	Pro WS WRX90E-FAGE SE	PCIEX16(G5)_1	4(X4+X4+X4+X4) ✓																														
				PCIEX16(G5)_2	4(X4+X4+X4+X4) ✓																														
				PCIEX16(G5)_3	4(X4+X4+X4+X4) ✓																														
				PCIEX16(G5)_4	4(X4+X4+X4+X4) ✓																														
				PCIEX16(G5)_5	4(X4+X4+X4+X4) ✓																														
				PCIEX16(G5)_6	2(X4+X4)																														
				PCIEX16(G5)_7	4(X4+X4+X4+X4) ✓																														
Motherboard				PCIe bifurcation in PCIe x16 slot (Support PCIe Gen 4 SSDs)																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	Config #1	Config #2	Config #3						Note																						
					M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity																												
ASUS	Intel	W480	Pro WS W480-ACE	PCIEX16_1	3(X8+X4+X4)	1(X8)							*PCIEX16_2 share with PCIEX16_1. When PCIEX16_1 runs at PCIe x8 or x16 mode, PCIEX16_2 will be disabled.																						
				PCIEX16_2	0	2(X4+X4)																													
		W680	Pro WS W680-ACE IPMI	PCIEX16(G5)_1	1(X8)	2(X8+X8)																													
				Pro WS W680-ACE	PCIEX16(G5)_2	1(X8)	0																												
		Intel	Z490	ROG MAXIMUS XII FORMULA	ROG MAXIMUS XII APEX	ROG STRIX Z490-E GAMING	ROG STRIX Z490-F GAMING	PRIME Z490-A	ProArt Z490-CREATOR 10G	PCIEX16_1	3(X8+X4+X4)	1(X8)			*PCIEX16_2 share with PCIEX16_1. When PCIEX16_1 runs at PCIe x8 or x16 mode, PCIEX16_2 will be disabled.																				
	PCIEX16_2									0	2(X4+X4)																								
	ROG MAXIMUS XII HERO (WI-FI)									PCIEX16_1	3(X8+X4+X4)	1(X8)																							
	ROG STRIX Z490-H GAMING									PCIEX16_2	0	1(X4)																							
	ROG STRIX Z490-A GAMING									PCIEX16_3	0	1(X4)																							
	ROG STRIX Z490-G GAMING (WI-FI)	PRIME Z490-P	PRIME Z490-V	PRIME Z490M-PLUS	TUF GAMING Z490-PLUS (WI-FI)	TUF GAMING Z490-PLUS	PCIEX16_1	3(X8+X4+X4)																											
ROG STRIX Z490-G GAMING (WI-FI)																																			
ROG STRIX Z490-G GAMING																																			
ROG STRIX Z490-I GAMING																																			
ROG STRIX Z490-I GAMING																																			
Motherboard				PCIe bifurcation in PCIe x16 slot																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	Config #1	Config #2	Config #3						Note																						
					M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity																												
ASUS	Intel	Z590	ROG Maximus XIII Hero	ROG Strix Z590-E Gaming	ROG STRIX Z590-F GAMING WIFI	PRIME Z590-A	ProArt Z590-CREATOR 10G	PCIEX16_1	3(X8+X4+X4)	1(X8)			*PCIEX16_2 share with M.2_2. When M.2_2 is used, PCIEX16_2 will run at PCIe x4 mode. *PCIEX16_2 share with M.2_2. When M.2_2 is used, PCIEX16_2 will run at PCIe x4 mode. *PCIEX16_2 share with M.2_2. When M.2_2 is used, PCIEX16_2 will run at PCIe x4 mode.																						
								PCIEX16_2	0	2(X4+X4)	1(X4)																								
								PCIEX16_1	3(X8+X4+X4)	1(X8)	1(X8)																								
								PCIEX16_2	0	1(X4)	1(X4)																								
								PCIEX16_1	2(X4+X4)	0	0																								
								PCIEX16_2	2(X4+X4)	1(X4)	1(X4)																								
								PCIEX16_1	3(X8+X4+X4)	1(X8)	1(X8)																								
								PCIEX16_2	0	1(X4)	1(X4)																								
								PCIEX16_3	0	1(X4)	1(X4)																								
								PRIME Z590-P	PRIME Z590-P WIFI	PRIME Z590-V	PRIME Z590M-PLUS	TUF GAMING Z590-PLUS		TUF GAMING Z590-PLUS WIFI	ROG STRIX Z590-I GAMING WIFI	PCIEX16	3(X8+X4+X4)																		
								PRIME Z590-P																											
								PRIME Z590-P WIFI																											
								PRIME Z590-V																											
PRIME Z590M-PLUS																																			
Motherboard				PCIe bifurcation in PCIe x16 slot																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	Config #1	Config #2	Config #3						Note																						
					M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity																												
ASUS	Intel	Z690	ROG MAXIMUS Z690 EXTREME	GLACIAL	ROG MAXIMUS Z690 EXTREME	ROG MAXIMUS Z690 FORMULA	ROG MAXIMUS Z690 APEX	ROG STRIX Z690-E GAMING WIFI	ROG STRIX Z690-F GAMING WIFI	ROG STRIX Z690-G GAMING WIFI	ROG STRIX Z690-A GAMING WIFI D4	ROG STRIX Z690-I GAMING WIFI	PRIME Z690-A	PRIME Z690-P	PRIME Z690-P WIFI	PRIME Z690-P D4	PRIME Z690-P WIFI D4	PRIME Z690M-PLUS D4	TUF GAMING Z690-PLUS WIFI D4	TUF GAMING Z690-PLUS D4	PCIEX16(G5)_1	2(X8+X8)				*PCIEX16(G5)_2 share with PCIEX16(G5)_1. When PCIEX16(G5)_1 runs at PCIe x16 mode, PCIEX16(G5)_2 will be disabled.									
																							PCIEX16(G5)_1	1(X8)	2(X8+X8)										
																							PCIEX16(G5)_2	1(X8)	0										
																							PCIEX16(G5)_1	1(X16)											
																							PCIEX16(G5)_2	1(X8)											
																							PCIEX16(G5)_1	1(X16)	2(X8+X8)		1(X8)								
																							PCIEX16(G5)	1(X16)	2(X8+X8)										
																							PCIEX16(G5)_1	1(X16)	2(X8+X8)										
																							PCIEX16(G5)_2	1(X8)	0										
																							PCIEX16(G5)	2(X8+X8)											
																							PRIME Z790M-PLUS D4	PRIME Z790-P PLUS WIFI	PRIME Z790-P WIFI		PRIME Z790-P D4	PRIME Z790-P WIFI D4	PRIME Z790-A WIFI	PCIEX16(G5)	1(X16)	2(X8+X8)			
																							TUF GAMING Z790-PLUS WIFI D4												
																							TUF GAMING Z790-PLUS D4												
																							PRIME Z790-P PLUS WIFI												
																							PRIME Z790-P WIFI												
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	W-3400 processors (112-lane)	Config #1	Config #2	Config #1	Config #2				Note																						
					W-2400 processors (64-lane)	M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity																										
ASUS	Intel	W790	Pro WS W790E-SAGE SE	PCIEX16(G5)_1	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																						
														PCIEX16(G5)_2	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_3	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_4	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_5	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_6	2(X4+X4)	0	0	0																	
														PCIEX16(G5)_7	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_1	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_2	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_3	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
PCIEX16(G5)_4	2(X4+X4)	0	2(X4+X4)	0																															
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	W-3400 processors (112-lane)	Config #1	Config #2	Config #1	Config #2				Note																						
					W-2400 processors (64-lane)	M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity																										
ASUS	Intel	W790	Pro WS W790E-SAGE SE	PCIEX16(G5)_1	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																						
														PCIEX16(G5)_2	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_3	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
														PCIEX16(G5)_4	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																	
Pro WS W790-ACE	PCIEX16(G5)_5	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓	4(X4+X4+X4+X4) ✓																							
													PCIEX16(G5)_6	2(X4+X4)	0	2(X4+X4)	0																		
Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs																															
Brand	Chipset Brand	Chipset Model	Model	PCIe x16 slot	W-3400 processors (112-lane)	Config #1	Config #2	Config #1	Config #2				Note																						
					W-2400 processors (64-lane)	M.2 SSD quantity	M.2 SSD quantity	M.2 SSD quantity	M.2 SSD																										

ASRock

How to use the list:

1

Locate your motherboard model

2

Check the CPU specifications to determine which PCIe slots are compatible with the MB204MP-B/MB204MP-1B.

Motherboard				PCIe Bifurcation Support in x16 Slot		Note	PCIe Generation	BIOS ver.		
Brand	Chipset Brand	Chipset Model	Model	PCIe Slot that Supports 4 x M.2 NVMe SSDs						
ASRock	AMD	X399	X399 Taichi	PCIe4			PCIe Gen4	P1.90		
			Fatal1ty X399 Professional Gaming	PCIe4			PCIe Gen4	P1.90		
			X399M Taichi	PCIe2			PCIe Gen4	P1.00		
			X399 Phantom Gaming 6	All			PCIe Gen3	P1.10		
	AMD	TRX40	TRX40 Taichi	PCIe1 PCIe3 PCIe4				PCIe Gen4	-	
			TRX40 Creator	PCIe1 PCIe3				PCIe Gen4	-	
	AMD	TRX50	TRX50 WS	PCIe1 PCIe3		PCIe2 can only support 2 x M.2 NVMe SSDs		-		
	AMD	WRX80	WRX80 Creator WRX80 Creator R2.0	PCIe1 PCIe2 PCIe3 PCIe5 PCIe7		PCIe4 and PCIe6 can only support 2 x M.2 NVMe SSDs	PCIe Gen4	-		
	AMD	WRX90	WRX90 WS EVO	PCIe1 PCIe2 PCIe3 PCIe4 PCIe5 PCIe7		PCIe6 can only support 2 x M.2 NVMe SSDs	PCIe Gen5	-		
	ASRock	AMD	X670	X670E Taichi Carrara	PCIe1			PCIe Gen5	-	
				X670E Taichi	PCIe1			PCIe Gen5	-	
				X670E Steel Legend	PCIe1			PCIe Gen5	-	
				X670E Pro RS	PCIe1			PCIe Gen5	-	
				X670E PG Lightning	PCIe1			PCIe Gen5	-	
		AMD	B650	B650E Taichi	PCIe1				PCIe Gen5	-
				B650E Taichi Lite	PCIe1				PCIe Gen5	-
				B650E Steel Legend WiFi	PCIe1				PCIe Gen5	-
				B650E PG Riptide WiFi	PCIe1				PCIe Gen5	-
				B650E PG-ITX WiFi	PCIe1				PCIe Gen5	-
				B650 LiveMixer	PCIe1				PCIe Gen4	-
				B650 Pro RS	PCIe1				PCIe Gen4	-
				B650 PG Lightning	PCIe1				PCIe Gen4	-
				B650M PG Riptide	PCIe1				PCIe Gen4	-
				B650M PG Riptide WiFi	PCIe1				PCIe Gen4	-
				B650M Pro RS	PCIe1				PCIe Gen4	-
				B650M Pro RS WiFi	PCIe1				PCIe Gen4	-
				B650M PG Lightning	PCIe1				PCIe Gen4	-
	B650M PG Lightning WiFi	PCIe1	PCIe Gen4	-						
B650I Lightning WiFi	PCIe1	PCIe Gen4	-							
B650M-HDV/M.2	PCIe1	PCIe Gen4	-							
B650M-H/M.2+	PCIe1	PCIe Gen4	-							
ASRock	Intel	W790	W790 WS W790 WS R2.0	PCIe1		PCIe3 can only support 2 x M.2 NVMe SSDs	PCIe Gen5	-		
Motherboard				PCIe Bifurcation Support in x16 Slot with Different CPU		Note	PCIe Generation	BIOS ver.		
Brand	Chipset Brand	Chipset Model	Model	PCIe Slot that Supports 4 x M.2 NVMe SSDs						
ASRock	Intel	X299	X299 Creator	PCIe1	PCIe1	1. Bifurcation support may vary based on CPU's PCIe lane count. 2. Higher lane CPUs (44 or 48-lane) provide better bifurcation capabilities.	PCIe Gen4	-		
				PCIe3						
			X299 Taichi CLX	PCIe1	PCIe1		PCIe Gen4	-		
				PCIe3						
			X299 Steel Legend	PCIe1 PCIe3	PCIe1		PCIe Gen4	-		
			X299 OC Formula	PCIe1 PCIe5	PCIe1		PCIe Gen4	P1.20		
			X299 Taichi XE	PCIe1 PCIe3	PCIe1		PCIe Gen4	P1.00		
			X299 Taichi	PCIe1 PCIe3	PCIe1		PCIe Gen4	P1.70		
			Fatal1ty X299 Professional Gaming i9 XE	PCIe1 PCIe3	PCIe1		PCIe Gen4	P1.00		
			Fatal1ty X299 Professional Gaming i9	PCIe1 PCIe3	PCIe1		PCIe Gen4	P1.50		
			Fatal1ty X299 Gaming K6	PCIe1 PCIe3	PCIe1		PCIe Gen4	P1.40		
			X299 Extreme4	PCIe2 PCIe3	PCIe2		PCIe Gen4	P1.00		
			X299M Extreme4	PCIe1 PCIe2	PCIe1		PCIe Gen4	P1.00		
			X299 Killer SLI/ac	PCIe1 PCIe3	PCIe1		PCIe Gen4	P1.40		

AORUS

How to use the list:

1

Locate your motherboard model

2

Check the CPU specifications to determine which PCIe slots are compatible with the MB204MP-B/MB204MP-1B.

Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs			Note	Transmission Specifications	BIOS ver.
Brand	Chipset Brand	Chipset Model	Model	PCIe Slot that Supports 4 x M.2 NVMe SSDs					
				48-lane CPU	44-lane CPU	28-lane CPU			
AORUS	Intel	X299X	X299X AORUS XTREME Waterforce	PCIEX16_1 PCIEX16_2 PCIEX16_3	PCIEX16_1 PCIEX16_2	PCIEX16_1	1. Bifurcation support may vary based on CPU's PCIe lane count. 2. Higher lane CPUs (44 or 48-lane) provide better bifurcation capabilities.	PCIe Gen3	All
			X299X AORUS MASTER	PCIEX16_1 PCIEX16_2 PCIEX16_3	PCIEX16_1 PCIEX16_2	PCIEX16_1		PCIe Gen3	All
			X299X DESIGNARE 10G	PCIEX16_1 PCIEX16_2 PCIEX16_3	PCIEX16_1 PCIEX16_2	PCIEX16_1		PCIe Gen3	All
	Intel	X299	X299 UD4 Pro	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F7a and newer ones
			X299 AORUS Gaming3 Pro	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F5C and newer ones
			X299 AORUS Gaming3	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F8K and newer ones
			X299 AORUS Gaming7	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F9o and newer ones
			X299 AORUS Gaming7 Pro	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F3m and newer ones
			X299 AORUS Gaming9	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F8l and newer ones
			X299 AORUS Ultra Gaming	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F5m and newer ones
			X299 AORUS Ultra Gaming Pro	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F4l and newer ones
			X299 UD4	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F6m and newer ones
			X299 UD4EX	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F4k and newer ones
			X299 DESIGNAREEX	PCIEX16_2	PCIEX16_2	X		PCIe Gen3	F7a and newer ones

Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs			Note	Transmission Specifications	BIOS ver.
Brand	Chipset Brand	Chipset Model	Model	PCIe Slot that Supports 4 x M.2 NVMe SSDs					
				48-lane CPU	44-lane CPU	28-lane CPU			
AORUS	AMD	X399	X399 AORUS Gaming 7	PCIEX16_1 PCIEX16_2				PCIe Gen3	F12h and newer ones
			X399 DESIGNARE EX	PCIEX16_1 PCIEX16_2				PCIe Gen3	F12h and newer ones
			X399 AORUS XTREME	PCIEX16_1 PCIEX16_2				PCIe Gen3	F12h and newer ones
			X399 AORUS PRO	PCIEX16_1 PCIEX16_2				PCIe Gen3	F12h and newer ones

Motherboard				PCIe bifurcation settings in PCIe x16 slots with different CPUs			Note	Transmission Specifications	BIOS ver.
Brand	Chipset Brand	Chipset Model	Model	PCIe Slot that Supports 4 x M.2 NVMe SSDs					
				3st Gen AMD Ryzen™ Processors (Support PCIe Gen 4 SSDs)	2st Gen AMD Ryzen™ Processors (Support PCIe Gen 3 SSDs)	2nd Generation AMD Ryzen™ with Radeon™ Vega Graphics processors/AMD Ryzen™ with Radeon™ Vega Graphics processors			
AORUS	AMD	X570	X570 AORUS XTREME	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All
			X570 AORUS MASTER	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All
			X570 AORUS ULTRA	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All
			X570 AORUS PRO WIFI	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All
			X570 AORUS Elite	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All
			X570 Gaming X	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All
			X570 UD	PCIEX16	PCIEX16	X		PCIe Gen4 / PCIe Gen3	All