

# ASUS X570 Motherboards

Series	ROG											TUF Gaming				Prime		ProArt	Pro WS
Model	ROG Crosshair VIII Extreme	ROG Crosshair VIII Dark Hero	ROG Crosshair VIII Formula	ROG Crosshair VIII Hero	ROG Crosshair VIII Hero (Wi-Fi)	ROG Crosshair VIII Impact	ROG Strix X570-E Gaming WiFi II	ROG Strix X570-E Gaming	ROG Strix X570-F Gaming	ROG Strix X570-I Gaming	TUF Gaming X570 Pro WiFi II	TUF Gaming X570 Pro Wi-Fi	TUF Gaming X570-Plus (Wi-Fi)	TUF Gaming X570-Plus	Prime X570-Pro	Prime X570-P	ProArt X570-Creator WiFi	Pro WS X570-ACE	
Photo																			
CPU Socket	AM4																		
Chipset	X570																		
Form factor	EATX	ATX	ATX	ATX	ATX	Mini-DTX	ATX	ATX	ATX	Mini-ITX	ATX	ATX	ATX	ATX	ATX	ATX	ATX	ATX	
Teamed power architecture	18+2	14+2	14+2	14+2	14+2	8+2	12+4	12+4	12+2	8+2	12+2	12+2	12+2	12+2	12+2	8+4	14+2	12+2	
Memory	# Slots, Maximum capacity	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	2 x DIMM, Max. 64GB	4 x DIMM, Max. 128GB DDR4	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	2 x DIMM, Max. 64GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB	4 x DIMM, Max. 128GB DDR4	4 x DIMM, Max. 128GB	
	Speed (MHz)*	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	5100 (O.C.)	
	OptiMem III	OptiMem III	OptiMem III	OptiMem III	OptiMem III	OptiMem III	OptiMem II	OptiMem	OptiMem	OptiMem	OptiMem	OptiMem	OptiMem	OptiMem	OptiMem	OptiMem	OptiMem II	OptiMem	
Graphics output	—	—	—	—	—	—	HDMI 2.0 DP1.2	HDMI 2.0 DP1.2	HDMI 2.0 DP1.2	HDMI 2.0 DP1.4	DP/HDMI 1.4b	HDMI 1.4b DP 1.2	HDMI 1.4b DP 1.2	HDMI 1.4b DP 1.2	HDMI 2.0b DP 1.2	HDMI 1.4b	HDMI 2.1*(4K@60Hz)	HDMI 2.0b DP 1.2	
Multi-GPU support	NVIDIA 2-Way SLI®	3-way CFX/ 2-way SLI	3-way CFX/ 2-way SLI	3-way CFX/ 2-way SLI	3-way CFX/ 2-way SLI	—	—	3-way CFX/ 2-way SLI	3-way CFX/ 2-way SLI	—	—	2-way CFX	2-way CFX	2-way CFX	3-way CFX/ 2-way SLI	2-way CFX	3-way CFX/ 2-way SLI	3-way CFX/ 2-way SLI	
Expansion slots	PCIe 4.0 x16	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	1 x PCIe 4.0 x16 SafeSlot (6x16)	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	2 x PCIe 4.0 x16 SafeSlots (6x16 or x8/x8)	1 x PCIe 4.0 x16 (6x16)	1 x PCIe 4.0 x16 (6x16)	1 x PCIe 4.0 x16 (6x16)	1 x PCIe 4.0 x16 (6x16)	1 x PCIe 4.0 x16 (6x16)	2 x PCIe 4.0 x16 (6x16 or x8/x8)	1 x PCIe 4.0 x16 (6x16)	2 x PCIe 4.0 x16 (6x16 or x8/x8)	2 x PCIe 4.0 x16 (6x16 or x8/x8)	
	PCIe 4.0 x1	1 x PCIe 3.0 x1	1	1	1	—	2	2	2	—	1 x PCIe 4.0 x1	2	2	3	3	3	0	1	
Thunderbolt support	2 x Thunderbolt 4 (onboard)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2 x Thunderbolt 4 (onboard)	—	
SATA 6Gb/s	6	8	8	8	8	4	8	8	8	4	6	8	8	8	6	6	—	—	
Storage & Connectivity	M.2	1*M.2 2280 (PCIe 4.0 x4 & SATA) 2*M.2 2280 (PCIe 4.0 x4) 2 x M.2 2210 (PCIe 4.0 x4 & SATA)	1*M.2 2280 (PCIe 4.0 x4 & SATA) 1*M.2 2210 (PCIe 4.0 x4 & SATA)	1*M.2 2280 (PCIe 4.0 x4 & SATA) 1*M.2 2210 (PCIe 4.0 x4 & SATA)	1*M.2 2280 (PCIe 4.0 x4 & SATA) 1*M.2 2210 (PCIe 4.0 x4 & SATA)	1*M.2 2280 (PCIe 4.0 x4 & SATA) 1*M.2 2210 (PCIe 4.0 x4 & SATA)	1 x 2210 (PCIe 4.0 x4 & SATA) from CPU 1 x 2210 (PCIe 4.0 x4 & SATA) from PCH	1*M.2 2210 (PCIe 4.0 x4 & SATA) 1*M.2 2210 (PCIe 4.0 x4 & SATA)	1*M.2 2210 (PCIe 4.0 x4 & SATA) PCIe 4.0 x4 & SATA	1*M.2 2280 (PCIe 4.0 x4 & SATA) 1*M.2 2280 (PCIe 4.0 x4 & SATA)	2 x 2210 (SATA & PCIe 4.0 x4 mode)	2 x 2210 (PCIe 4.0 x4 & SATA)	2 x 2210 (PCIe 4.0 x4 & SATA)	2 x 2210 (PCIe 4.0 x4 & SATA)	2 x 2210 (PCIe 4.0 x4 & SATA)	2 x 2210 (PCIe 4.0 x4 & SATA)	1 x 2210 (PCIe 4.0 x4 & SATA) 1*M.2 2210 (PCIe 4.0 x4 & SATA)	1 x 2210 (PCIe 4.0 x4 & SATA) from CPU 1 x 2280 (PCIe 4.0 x4 mode) from PCH	1 x 2210 (SATA & PCIe 4.0 x4 mode) 1 x 2280 (PCIe 4.0 x2 mode)
	Front panel Type-C™ connector	2 1 x USB 3.2 Gen 2x2 1 x USB 3.2 Gen 2	1 x USB 3.2 GEN 2 front panel Type-C™ connector	1 x USB 3.2 GEN 2 front panel Type-C™ connector	1 x USB 3.2 GEN 2 front panel Type-C™ connector	1 x USB 3.2 GEN 2 front panel Type-C™ connector	1 x USB 3.2 GEN 2 front panel Type-C™ connector	1 x USB 3.2 GEN 2 front panel Type-C™ connector	1xUSB 3.2 GEN 2 front panel Type-C™ connector	1xUSB 3.2 GEN 2 front panel Type-C™ connector	—	1 x USB 3.2 GEN 2	1xUSB 3.2 GEN 2 front panel Type-C™ connector	—	—	—	1 x USB 3.2 GEN 2 front panel Type-C™ connector	—	1 x USB 3.2 GEN 2 front panel Type-C™ connector
USB 3.2 GEN 2	9 (10BF, 8A8B)	9 (7A+1C 8B, 10BF)	9 (7A+1C 8B, 10BF)	9 (7A+1C 8B, 10BF)	9 (7A+1C 8B, 10BF)	7 (5A+10CB, 10BF)	9 (10BF, 7A8B+10CB)	9 (7A+10GB, 10BF)	5(3A+10GB, 10BF)	4 (3A+10GB)	4 (10BF, 2A10GB)	4(2A10GB, 10BF)	3 (2A+10GB)	3 (2A+10GB)	4 (4A 8B)	4 (4A 8B)	5 (10BF, 4A8B)	5 (4A1C)	
USB 3.2 GEN 1	4(4A8F)	6 (4A8B, 2BF)	8 (4A8B, 4BF)	6 (4A8B, 2BF)	6 (4A8B, 2BF)	4 (2BF, 2BF)	2(BF)	2 (BF)	6 (4A8B, 2BF)	6 (4BF, 2BF)	6 (4BF, 2BF)	6 (4BF, 2BF)	6 (4BF, 2BF)	6 (4BF, 2BF)	6 (4BF, 2BF)	6 (2A8F, 4A8B)	6 (2A8F, 4A8B)	6 (2BF)	
USB 2.0	4(4A8F)	4 (4BF)	4 (4BF)	4 (4BF)	4 (4BF)	2 (2BF)	4 (4BF)	4 (4BF)	4 (4BF)	4 (4BF)	4 (4BF)	4 (4BF)	4 (4BF)	4 (4BF)	5 (2BF, 3BF)	6 (BF)	6 (BF)	4F	
Wireless	Wi-Fi 6E	Intel® Wi-Fi 6 AX200	Intel® Wi-Fi 6 AX200	—	Intel® Wi-Fi 6 AX200	Intel® Wi-Fi 6 AX200	Wi-Fi 6E	—	Intel® Wi-Fi 6 AX200	—	Intel® Wi-Fi 6 AX200	Wi-Fi 6E	Intel® Wireless-AC 9260	—	—	—	—	—	
Networking	Ethernet	1 x Intel® I225-V 2.5Gb 1 x Intel® I211-AT 1Gb	1 x Realtek RTL8125-CG 2.5Gb 1 x Intel® I211-AT 1Gb	1 x Aquantia AQC111C 5Gb 1 x Intel® I211-AT 1Gb	1 x Realtek RTL8125-CG 2.5Gb 1 x Intel® I211-AT 1Gb	Intel® Ethernet Controller I211-AT	Intel® I211AT Realtek® 2.5G LAN	Intel® I211AT Realtek® 2.5G LAN	Intel® I211AT Realtek® 2.5G LAN	Intel® I211-AT 1Gb	1 x Intel® I225-V 2.5Gb	Intel® I225-V 2.5Gb	Realtek® L8200A 1Gb	Realtek® L8200A 1Gb	Intel® I211AT 1Gb	Realtek RTL8111H 1Gb	1 x Intel® I225-V 2.5Gb 1 x Intel® I211-AT 1Gb	Intel® I211-AT 1Gb Realtek® 8117 1Gb	
	LANGuard	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
Audio codec	ALC 4082	SupremeFX S1220	SupremeFX S1220	SupremeFX S1220	SupremeFX S1220	SupremeFX S1220	SupremeFX S1220A	SupremeFX S1220A	SupremeFX S1220A	SupremeFX S1220A	Realtek® ACL897	Realtek® S1220A	Realtek® S1200A	Realtek® S1200A	Realtek® S1200A	Realtek® S1200A	Realtek® S1220A	Realtek® S1220A	
Impedance sense	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
Audio AMP	ESS® SABRE901802C DAC	V	V	V	V	V	Dual Headphone AMPs	V	V	V	Internal Amp	—	—	—	—	—	—	Internal Amp	
Audio cover	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	Internal Amp	
LED illuminated audio jacks	V	—	—	—	—	V	—	—	—	—	—	—	—	—	—	—	—	—	
Japanese capacitors	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
Audio effects	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound Two-Way AI Noise Cancellation ROG CLAVIS Type-C USB DAC bundled	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound Two-Way AI Noise Cancellation	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	Sonic Studio III + Sonic Studio Virtual Mixer / Sonic Radar III DTS® Sound Unbound	DTS Custom for GAMING Headsets Two-Way AI Noise Cancellation	DTS Custom for GAMING Headsets	DTS Custom for GAMING Headsets	DTS Custom for GAMING Headsets	Crystal Sound 3	—	Two-Way AI Noise Cancellation	—	
Onboard Fan headers	8 X PWM/DC fans ROG Fan Controller bundled	8	8	8	8	6	7 X PWM/DC fans	7	7	3	6 X PWM/DC fans	6	6	6	7	5	7 X PWM/DC fans	6	
Heatsinked M.2	5	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	
AI Networking (GameFirst VI)	V	V	—	—	—	—	GameFirst V	—	—	—	—	—	—	—	—	—	—	—	
Two-way AI Noise-Cancellation	V	—	—	—	—	—	V	—	—	—	V	—	—	—	—	—	—	—	
Aura Sync	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
RGB header	3*ARGB, 1*RGB@Onboard 6*ARGB@ROG Fan Controller bundled	2*ARGB, 2*RGB	2*ARGB, 2*RGB	2*ARGB, 2*RGB	2*ARGB, 2*RGB	2*ARGB, 1*RGB	2 Add. headers + 2 RGB headers	2*ARGB, 2*RGB	2*ARGB, 2*RGB	1*ARGB, 1*RGB	1 Add. headers + 2 RGB headers	1*ARGB, 2*RGB	1*ARGB, 2*RGB	1*ARGB, 2*RGB	1*ARGB, 2*RGB	3 Add. headers + 1 RGB headers	—		
CPU power connector	8-pin + 8-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin	8 + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8-pin + 4-pin	8 + 4-pin	8 + 4-pin	8-pin	
ProCool	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool	ProCool	ProCool	ProCool	ProCool	ProCool	ProCool II	ProCool II	
COM	—	—	—	—	—	—	—	—	—	—	V	V	V	V	V	V	V	V	
SPi / TPM	—	V	—	V	—	—	V	V	V	—	V	V	V	V	V	V	V	—	

\*Performance may vary by CPU/APU. For more details, please refer to the specifications on each product page.