ASUS 600 Motherboards

Series	ROG				
Model	ROG MAXIMUS Z690 EXTREME GLACIAL	ROG MAXIMUS Z690 EXTREME	ROG MAXIMUS Z690 FORMULA	ROG MAXIMUS Z690 APEX	ROG MAXIMUS Z690 HERO
Chipset	LGA1700				
Form factor	EATX	EATX	ATX	ATX	ATX
Trained power architecture	20+1(50A)	24+1(50A)	20+1(50A)	24+8(50A)	20+1 (60A)
Memory	DDR5	DDR5	DDR5	DDR5	DDR5
	4 DIMM, Max. 128GB	4 DIMM, Max. 128GB	4 DIMM, Max. 128GB	4 DIMM, Max. 128GB	4 DIMM, Max. 128GB
	6400+(OC)	6400+(OC)	6400+(OC)	6600(OC)	6400+(OC)
	Optiflash-B	Optiflash-B	—	Optiflash-B	—
Graphics output	HDMI 2.1(Thunderbolt 4	HDMI 2.1(Thunderbolt 4	HDMI 2.1(Thunderbolt 4	N/A	HDMI 2.1(Thunderbolt 4
Expansion slots	PCIe 5.0 x16	2 x PCIe 5.0 x16 (x16 or x8x8)	2 x PCIe 5.0 x16 (x16 or x8x8)	—	2 x PCIe 5.0 x16 (x16 or x8x8)
	PCIe 4.0 x16	—	1 x PCIe 4.0 x16 mod (x4 or x2x2 mode)	—	1 x PCIe 4.0 x16 mod (x4 or x2x2 mode)
	PCIe 3.0 x16	—	—	—	—
	PCIe 3.0 x1	1	1	—	1
	PCIe x1	1	1	—	1
Thunderbolt 4 Support	2*onboard	2*onboard	2*onboard	2*onboard	—
Storage & Connectivity	SATA 6Gb/s	8	8	8	8
	M.2	1 x 22110 (PCIe 5.0 x4) 1 x 2280 (PCIe 5.0 x4) 1 x 2280 (PCIe 4.0 x4) 1 x 2280 (PCIe 4.0 x4 & SATA) 1 x 22110 (PCIe 4.0 x4)