ASUS Z890 Motherboards

Brand/Series		ROG		ROG STRIX				ProArt TUF GAMING			PRIME		
Model	ROG MAXIMUS Z890 EXTREME	ROG MAXIMUS Z890 APEX	ROG MAXIMUS Z890 HERO	ROG STRIX Z890-E GAMING WIFI	ROG STRIX Z890-F GAMING WIFI	ROG STRIX Z890-A GAMING WIFI	ROG STRIX Z890-I GAMING WIFI	ProArt Z890-CREATOR WIFI	TUF GAMING Z890-PRO WIFI	TUF GAMING Z890-PLUS WIFI	PRIME Z890-P WIFI	PRIME Z890-P	PRIME Z890M-PLUS WIFI
Photo	MEXIMUS SEXTREME					THOSE DARK		POAT PORT PORT PORT PORT PORT PORT PORT POR	TUF GAMING	TUF GAMING	SUS BUILDING OF SUSPENSION OF	-dosz manad - dosz	
CPU Socket Chipset	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851 Intel [®] Z890	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851 Intel® Z890	LGA1851 Intel® Z890
Form Factor PCB Layer, OZ	E-ATX 8L, 20Z	ATX 8L, 20Z	ATX 8L, 20Z	ATX 8L, 20Z	ATX 8L, 10Z	ATX 8L, 10Z	ПХ 10L, 20Z	ATX 8L, 20Z	ATX 8L, 10Z	ATX 8L, 10Z	ATX 6L, 20Z	ATX 6L, 20Z	mATX 6L, 20Z
Power Architecture VCCCORE+VCCGT+VCCSA+VNNAON	24(110A)+1(90A)+2(90A)+2(80A)	22(110A)+1(90A)+2(90A)+2(80A)	22(110A)+1(90A)+2(90A)+2(80A)	18(110A)+1(90A)+2(90A)+2(80A)	16(110A)+1(90A)+2(90A)+2(80A)	16(90A)+1(90A)+2(90A)+2(80A)	10(110A)+1(90A)+2(90A)+1(80A)	16(90A)+1(90A)+2(90A)+2(80A)	10(110A)+1(90A)+2(90A)+1(80A)	16(80A)+1(80A)+2(80A)+1(80A)	14(80A)+1(80A)+2(80A)+1(80A)	14(80A)+1(80A)+2(80A)+1(80A)	10(80A)+1(80A)+2(80A)+1(80A)
# Slots, Maximum Capacity	4 x DIMM; Max. 1926B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	2 x DIMM; Max. 96GB DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 1926B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 192GB DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 1926B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 192GB DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	2 x DIMM; Max. 966B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 1926B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 192GB DDR5 Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 1926B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 192GB DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 1926B DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.	4 x DIMM; Max. 192GB DDR5 *Adjustments will be made based on the specifications of mass-produced memory products available on the market.
Memory DIMM Fit	v	- V	V	v	- V	- V	- V	- V	- V	- V	- V	- v	- V
DIMM Flex AEMP	V AEMP III	V AEMP III	V AEMP III	V AEMP III	V AEMP III	V AEMP III	V AEMP III	V AEMP III	- AEMP III	- AEMP III	- AEMP III	- AEMP III	- AEMP III
Graphics	1 x HDMI™ port** 2 x Intel® Thunderbolt™ 5 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs****** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. **Supports max. 8K@60HZ with DSC as specified in HDMI 2.1. ***Supports up to 1 x 8K@60HZ(DSC mode)+2 x 4K@60HZ monitors, It is recommended to chain-connect the monitors using a verified	2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs**** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** In Thunderbolt™ 4 mode, supports up to 8k@60Hz x1 with DSC or 4k@60Hz x 2, maximum total bandwidth up to 23.8Gbps or 16Gbps/16Gbps, for resolution support please check DisplayPort 2.1 specs In DP alt mode, Only one USB Type-C® port supports up to UHBR20 at a time. *** VGA resolution support depends on processors' or graphic cards' resolution. ****While installing the operating system, please ensure that your monitor is connected to a discrete graphics card.	1 x HDMI™ port** 2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs*** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports max. 8K@60Hz with DSC as specified in HDMI 2.1. *** In Thunderbolt™ 4 mode, supports up to 8K@60Hz x1 with DSC or 4K@60Hz x2, maximum total bandwidth up to 23.8Gbps or 16Gbps/16Gbps, for resolution support please check DisplayPort 2.1 specs. **** In DP alt mode, Only one USB Type-C® port supports up to UHBR20 at a time. ***** VGA resolution support depends on processors' or graphic cards' resolution. ***********************************	1 x DisplayPort** 1 x HDMI® port*** 2 x Intel® Thunderbolt™ 4 support DisplayPort and Thunderbolt™ video outputs**** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports max. 8k@60Hz as specified in DisplayPort 1.4. *** Supports max. 8k@60Hz as specified in DisplayPort 1.4. *** Supports max. 8k@60Hz as specified in HDMI 2.1. ***In Thunderbolt™ 4 mode, supports up to 8k@60Hz x1 with DSC or 4k@60Hz x 2, maximum total bandwidth up to 23.8Gbps or 16Gbps/16Gbps, for resolution support please check DisplayPort 2.1 specs ***** In DP alt mode, Only one USB Type-c® port supports up to UHBR20 at a time. ****** VGA resolution support depends on processors' or graphic cards' resolution. ***********************************	1 x DisplayPort** 1 x HDMI™ port*** 2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs**** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports max. 8K@60Hz with DSC as specified in DisplayPort 1.4a. *** Supports 4K@60Hz as specified in HDMI 2.1. *** In Thunderbolt™ 4 mode, supports up to 8K@60Hz x1 with	1 x DisplayPort* 1 x HDMI™ port** 2 x Intel® Thunderbolt™ 4 support DisplayPort and Thunderbolt™ video outputs*** - Graphics specifications may vary between CPU types. Please refer to www intel.com for any updates. * Supports max. 8k@60Hz as specified in DisplayPort 1.4. ** Supports 4k@60Hz as specified in HDMI 2.1. *** In Thunderbolt™ 4 mode, supports up to 8k@60Hz x1 with DSC or 4k@60Hz x2, maximum total bandwidth up to 23.86bps or 16Gbps/16Gbp for resolution support please check DisplayPort 2.1 specs. In DP alt mode, supports up to UHBR20. **** VGA resolution support depends on processors' or graphic cards' resolution. ***** While installing the operating system, please ensure that your monito	1 x HDMI™ port** 2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs*** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports 4K@60Hz as specified in HDMI 2.1. *** In Thunderbolt™ 4 mode, supports up to 8K@60Hz x1 with DSC or 4K@60Hz x2, maximum total bandwidth up to 23.8Gbps or 16Gbps/16Gbps, for resolution support please check DisplayPort 2.1 specs. In DP alt mode, Only one USB Type-C® port supports up to UHBR20 at a time. **** VGA resolution support depends on processors' or graphic cards' resolution. ***** While installing the operating system, please ensure that your monitor is expected to the NUML parts of the back I/O spend or to a discrete.	1 x DisplayPort** 1 x HDMI™ port** 2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs**** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports max. 8k@60Hz with DSC as specified in DisplayPort 1.4a. **** Supports 4k@60Hz as specified in HDMI 2.1. **** In Thunderbolt™ 4 mode, supports up to 8k@60Hz x1 with DSC or 4k@60Hz x 2, maximum total bandwidth up to 23.8Gbps or 16Gbps/16Gbps, for resolution support please check DisplayPort 2.1 specs. ****** In DP alt mode, Only one USB Type-C® port supports up to UHBR20 at a time. ***********************************	1 x DisplayPort** 1 x HDMI™ port*** 2 x Intel® Thunderbolt™ 4 ports (USB Type-C®) support DisplayPort and Thunderbolt™ video outputs**** ** Supports max. 4K@60Hz as specified in DisplayPort 1.4. *** Supports 4K@60Hz as specified in HDMI 2.1. **** In Thunderbolt™ 4 mode, supports up to 8K@60Hz x1 with	1 x DisplayPort** 1 x HDMI™ port*** 1 x Intel® Thunderbolt™ 4 port (USB Type-C®) supports DisplayPort and Thunderbolt™ video outputs**** 1 x USB 20Gbps port (USB Type-C®) supports DisplayPort video output***** 1 x USB 20Gbps port (USB Type-C®) supports DisplayPort video output***** *** Supports ax (4x@60Hz as specified in DisplayPort 1.4. **** Supports 4K@60Hz as specified in HDMI 2.1. ****In Thunderbolt™ 4 mode, supports up to 8K@60Hz x1 with DSC, maximum total bandwidth up to 23.8Gbps, for resolution support please check DisplayPort 2.1 specs. *****In DP alt mode, supports up to UHBR20.	1 x DisplayPort** 1 x HDMI™ port*** 1 x USB 20Gbps port (USB Type-0°) supports DisplayPort video output**** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. *** Supports max. 4K@60Hz as specified in DisplayPort 1.4. **** Supports 4K@60Hz as specified in DisplayPort 1.4. **** Supports max. 4K@120Hz as specified in DisplayPort 1.4. **** VGA resolution support depends on processors' or graphic cards' resolution. ***** While installing the operating system, please ensure that your	1 x DisplayPort** 1 x HDMI™ port** 1 x USB 20Gbps port (USB Type-C®) supports DisplayPort video output*** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports max. 4K@60Hz as specified in DisplayPort 1.4. **** Supports ax. 4K@60Hz as specified in DisplayPort 1.4.	1 x DisplayPort** 1 x HDMI™ port*** 1 x USB 20Gbps port (USB Type-c®) supports DisplayPort video output**** * Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates. ** Supports max. 4K@60Hz as specified in DisplayPort 1.4. *** Supports 4K@60Hz as specified in HDMI 2.1. **** Supports max. 4K@120Hz as specified in DisplayPort 1.4.
PCle Slot Q-Release	Q-Release Slim	Q-Release Slim	Q-Release Slim	Q-Release Slim	Q-Release Slim	Q-Release Slim	Q-Release Slim	Q-Release Slim	Q-Release Slim	V	V	V	·
PCle 5.0/4.0/3.0 x16 Expansion Slots	2 x PCle 5.0 x16 Slots (support x16 or x8/x8 or x8/x4/x4 modes)	2 x PCle 5.0 x16 Slots (support x16 or x8/x8 or x8/x4/x4 modes)	1 x PCle 5.0 x16 Slot (support x16 or x8/x4/x4 modes) 1 x PCle 4.0 x16 Slot (support x4 mode)	1 x PCle 5.0 x16 Slot (support x16 or x8/x4/x4 modes) 1 x PCle 4.0 x16 Slot (support x4 mode)	1 x PCie 5.0 x16 Slot (support x16 or x8/x4/x4 modes) 1 x PCie 4.0 x16 Slot (support x4 mode)	1 x PCle 5.0 x16 Slot (support x16 or x8/x4/x4 modes) 1 x PCle 4.0 x16 Slot (support x4 mode)	1 x PCle 5.0 x16 Slot (support x16 or x8/x4/x4 modes) -	2 x PCle 5.0 x16 (support x16 or x8/x8 modes) 1 x PCle 4.0 x16 (support x4 mode)	1 x PCle 5.0 x16 Slot (supports x16 mode) 1 x PCle 4.0 x16 Slot (supports x4 mode)	1 x PCle 5.0x16 (x16) 1 x PCle 4.0x16 (x4)	1 x PCle 5.0x16 2 x PCle 4.0x16 (x4) 1 x PCle 4.0x16 (x1)	1 x PCle 5.0x16 2 x PCle 4.0x16 (x4) 1 x PCle 4.0x16 (x1)	1 x PCle 5.0x16 1 x PCle 4.0 x16 (x4) 2 x PCle 4.0 x16(x1)
PCIe 4.0/3.0 x4	1 x PCle 4.0	2 x PCle 4.0	- 1 x PCIe 4.0	-					1 x PCle 4.0 2 x PCle 4.0	1 x PCle 4.0 2 x PCle 4.0			
Thunderbolt [™] 4 or 5 Thunderbolt [™] TBT header	2 x Thunderbolt™ 5 port(s) N/A	2 x Thunderbolt™ 4 port(s) V	2 x Thunderbolt™ 4 port(s) V	2 x Thunderbolt™ 4 port(s)	2 x Thunderbolt™ 4 ports V	2 x Thunderbolt [™] 4 port(s)	2 x Thunderbolt™ 4 ports -	2 x Thunderbolt™ 5 ports+ 1 x Thunderbolt™ 4 port -	2 x Thunderbolt™ 4 ports V	1 x Thunderbolt™ 4 port V	1 x Thunderbolt™ 4 port V	- V	- V
Thunderbolt™ Share SATA 6Gb/s	V 4	V 4	V 4	4	4	-	2	V	-	- 4	-	-	-
Storage M.2	Intel® Core™ Ultra Processors (Series 2) M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCle 5.0 x4 mode.) M.2_2 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 mode.) M.2_3 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 mode.) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode.) Intel® Z890 Chipset DIMM.2_1 slot (Key M) via ROG 0-DIMM.2, type 2230/2242/2260/2280/22110 (supports PCle 4.0 x4 mode) DIMM.2_5 slot (Key M) via ROG 0-DIMM.2, type 2230/2242/2260/2280/22110 (supports PCle 4.0 x4 mode)	Intel® Core™ Ultra Processors (Series 2) M.2_1 slot (Key M), type 2242/2260/2280/22110 (s.upports PCle 5, 0 x4 mode.) M.2_2 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 mode.) M.2_3 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode.) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode.) Intel® 2890 Chipset DIMM.2_1 slot (Key M) via R0G DIMM.2, type 2230/2242/2260/2280/22110 (supports PCle 4.0 x4 mode) DIMM.2_2 slot (Key M) via R0G DIMM.2, type 2230/2242/2260/2280/22110 (supports PCle 4.0 x4 mode)	Intel [®] Core™ Ultra Processors (Series 2) M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 5.0 x4 mode.) M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode.) M.2_3 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode.) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode.) Intel® 2890 Chipset M.2_5 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode.) M.2_6 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode.)	mode) M.2_2 slot (Key M), type 2280 (supports PCle 4.0 x4 mode) M.2_3 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode) Intel® 2890 Chipset M.2_5 slot (Key M), type 2280 (supports PCle 4.0 x4 mode)	Intel® Core™ Ultra Processors(Series 2) M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCle 5.0 x4 mode) M.2_2 slot (Key M), type 2280 (supports PCle 4.0 x4 mode) Intel® 2890 Chipset M.2_3 slot (Key M), type 2280 (supports PCle 4.0 x4 mode) M.2_4 slot (Key M), type 2280/22110 (supports PCle 4.0 x4 mode) M.2_5 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 mode) M.2_5 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 & SATA modes)	M.2_1 slot (key M), type 2242/2260/2280/22110 (supports PCle 5.0x4 mode) M.2_2 slot (Key M), type 2280 (supports PCle 4.0 x4) Intel® Z890 Chipset M.2_3 slot (Key M), type 2280 (supports PCle 4.0 x4)	Intel [®] Core [™] Ultra Processors(Series 2) M.2_1 slot (Key M), type 2230/2242/2260/2280 (supports PCle 5.0 x4 mode) M.2_2 slot (Key M), type 2230/2242/2260/2280 (supports PCle 5.0 x4 mode)	Intel® Core™ Ultra Processors(Series 2) M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCle 5.0 x4 mode) M.2_2 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 mode) Intel® Z890 Chipset M.2_3 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 mode) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 modes) M.2_5 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 modes) M.2_5 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 modes)	Intel® Core™ Ultra Processors(Series 2) M.2_1 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode) M.2_2 slot (Key M), type 2280 (supports PCle 4.0x4 mode) Intel® Z890 Chipset M.2_3 slot (Key M), type 2280/22110 (supports PCle 4.0 x4 mode) M.2_4 slot (Key M), type 2280/2280 (supports PCle 4.0 x4 mode)	Intel® Core™ Ultra Processors(Series 2) M.2_1 slot (Key M), type 2242/2260/2280 (supports PCle 5.0 x4 mode) M.2_2 slot (Key M), type 2280 (supports PCle 4.0x4 mode) Intel® 2890 Chipset M.2_3 slot (Key M), type 2280/22110 (supports PCle 4.0 x4 mode) M.2_4 slot (Key M), type 2280/2210 (supports PCle 4.0 x4 mode) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 & SATA modes)		Intel® Core™ Ultra Processors(series 2) M.2_1 slot (Key M), type 2280/22110 (supports PCle 5.0 x4 mode) M.2_2 slot (Key M), type 2280 (supports PCle 4.0 x4 mode) Intel® 2890 Chipset M.2_3 slot (Key M), type 2280/22110 (supports PCle 4.0 x4 mode) M.2_4 slot (Key M), type 2242/2260/2280 (supports PCle 4.0 x4 & SATA modes)	Intel® Core™ Ultra Processors (Series 2) M.2_1 slot (Key M), type 2280 (supports PCle 5.0 x4 mode) Intel® Z890 Chipset M.2_2 slot (Key M), type 2280 (supports PCle 4.0 x4 mode) M.2_3 slot (Key M), type 2280 (supports PCle 4.0 x4 mode)
Front USB port(s)	Total 10 ports 1 x USB 20Gbps connector (supports USB Type-C® with up to 60W PD/QC4+) 1 x USB 10Gbps connector (supports USB Type-C®) 2 x USB 5Gbps headers support 4 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 10 ports 1 x USB 20Gbps connector (supports USB Type-C [®] with up to 60W PD/QC4+) 1 x USB 10Gbps connector (supports USB Type-C [®]) 2 x USB 5Gbps headers support 4 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 10 ports 1 x USB 20Gbps connector (supports USB Type-C® with up to 60W PD/QC4+) 1 x USB 10Gbps connector (supports USB Type-C®) 2 x USB 56bps headers support 4 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 11 ports 1 x USB 20Gbps connector (supports USB Type-C*) 2 x USB 5Gbps headers support 4 additional USB 5Gbps ports 3 x USB 2.0 headers support 6 additional USB 2.0 ports	Total 9 ports 1 x USB 20Gbps connector 2 x USB 5Gbps headers support 4 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 7 ports 1 x USB 20Gbps connector 1 x USB 5Gbps headers support 2 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Front: Total 3 ports 1 x USB 20Gbps type-C connector 1 x USB 5G header(s) support(s) additional 2 USB 5G ports HIVE II: Total 2 ports 2 x USB 10Gbps ports (1 x USB Type-C®+ 1 x Type-A) FPS II: Total 3 ports 2 x USB 2.0 headers support additional 3 USB 2.0 ports	Total 5 ports 1 x USB 20Gbps connector (supports USB Type-C®) 1 x USB 5Gbps header support 2 additional USB 5Gbps ports 1 x USB 2.0 header support 2 additional USB 2.0 ports	Total 7 ports 1 x USB 20Gbps connector (supports USB Type-C® with up to 30W PD 3.0) 1 x USB 56bps header supports 2 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 7 ports 1 x USB 20Gbps connector (supports USB Type-C°) 1 x USB 5Gbps header supports 2 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 9 ports 1 x USB 10Gbps connector (supports USB Type-C*) 2 x USB 5Gbps headers support 4 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 9 ports 1 x USB 10Gbps connector (supports USB Type-C®) 2 x USB 5Gbps headers support 4 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports	Total 7 ports 1 x USB 56bps connector (supports USB Type-C*); 1 x USB 56bps header (supports additional 2 USB 56bps ports); 2 x USB 2.0 headers (support additional 4 USB 2.0 ports);
USB Rear USB port(s)	Total 10 ports 2 x Thunderbolt™ 5 ports (2 x USB Type-C®) 1 x USB 20Gbps port (1 x USB Type-C®) 7 x USB 10Gbps ports (5 x Type-A + 2 x USB Type-C®)	Total 11 ports 2 x Thunderbolt™ 4 ports (2 x USB Type-C®) 1 x USB 20Gbps port (1 x USB Type-C®) 4 x USB 10Gbps ports (4 x Type-A) 4 x USB 5Gbps ports (4 x Type-A)	Total 11 ports 2 x Thunderbott™ 4 ports (2 x USB Type-C®) 5 x USB 10Gbps ports (4 x Type-A + 1 x USB Type-C®) 4 x USB 5Gbps ports (4 x Type-A)	Total 14 ports 2 x Thunderbolt™ 4 ports (2 x USB Type-C®) 9 x USB 10Gbps ports (7 x Type-A + 1 x USB Type-C® + 1 x USB Type-C® with up to 30W PD Fast-charge) 3 x USB 5Gbps ports (4 x Type-A)	Total 14 ports 2 x Thunderbolt™ 4 ports (2 x USB Type-C®) 6 x USB 10Gbps ports (4 x Type-A + 1 x USB Type-C® + 1 x USB Type-C® with up to 30W PD Fast-charge) 4 x USB 5Gbps ports (4 x Type-A) 2 x USB2.0 ports	Total 10 ports 2 x Thunderbolt™ 4 ports (2 x USB Type-C®) 6 x USB 10Gbps ports (5 x Type-A + 1 x USB Type-C® with up to 30W PD) 2 x USB 5Gbps ports (2 x Type-A)	Rear: Total 9 ports 2 x Thunderbolt™ 4 (2 x USB Type-C®) 1 x USB 20G (1 x USB Type-C®) 3 x USB 10G (3 x Type-A) 1 x USB 5G (1 x Type-A) 2 x USB 2.0 (2 x Type-A)	Total 10 ports 2 x Thunderbolt™ 5 ports (2 x USB Type-C®) 1 x Thunderbolt™ 4 port (1 x USB Type-C®) 6 x USB 10Gbps ports (6 x Type-A) 1 x USB2.0 port	Total 8 ports 2 x Thunderbolt™ 4 ports (1 x USB Type-C®) 6 x USB 10Gbps ports (6 x Type-A)	Total 8 ports 1 x Thunderbolt™ 4 port (1 x USB Type-C®) 1 x USB 20Gbps port (1 x USB Type-C®with DP Alt mode) 3 x USB 10Gbps ports (3 x Type-A) 3 x USB 5Gbps ports (3 x Type-A)	Total 8 ports 1 x Thunderbolt™ 4 port (1 x USB Type-C®) 1 x USB 10Gbps port (1 x Type-A) 2 x USB 5Gbps ports (2 x Type-A) 4 x USB 2.0 ports (4 x Type-A)	Total 8 ports 1 x USB 20Gbps port (1 x USB Type-C®with DP Alt mode) 1 x USB 10Gbps port (1 x Type-A) 2 x USB 5Gbps ports (2 x Type-A) 4 x USB 2.0 ports (4 x Type-A)	Total 8 ports 1 x USB 20Gbps port (1 x USB Type-C®with DP Alt mode) 1x USB 10Gbps port (1 x Type-A) 4 x USB 5Gbps ports (4 x Type-A) 2 x USB 2.0 ports (2 x Type-A)
Fast-charging USB-C Wireless	1 x front port with 60W PD/QC4+ Wi-Fi 7	1 x front port with 60W PD/QC4+ Wi-Fi 7	1 x front port with 60W PD/QC4+ Wi-Fi 7	1C@B, with 30W PD3.0 Wi-Fi 7	1C@B, with 30W PD3.0 Wi-Fi 7	1C@B, with 30W PD3.0 Wi-Fi 7	- Wi-Fi 7	- Wi-Fi 7	1 x front port with 30W PD3.0 Wi-Fi 7	- Wi-Fi 7	- Wi-Fi 7		- Wi-Fi 7
Networking Ethernet	1 x Marvell 10G 1 x Intel 2.5G	1 x Realtek 5G	1 x Realtek 5G 1 x Intel 2.5G	1 x Realtek 5G	1 x Intel 2.5G	1 x Intel 2.5G	1 x Intel 2.5G	1 x Marvell 10G 1 x Intel 2.5G	1 x Intel 2.5G	1 x Intel 2.5G	1 x Realtek 2.5G	1 x Realtek 2.5G	1 x Realtek 2.5G
Audio Audio Codec	2 Jack + S/PDIF ALC4082	2 Jack + S/PDIF ALC4080	2 Jack + S/PDIF ALC4082	2 Jack + S/PDIF ALC 4080	2 Jack + S/PDIF ALC 4080	2 Jack + S/PDIF ALC 4080	ROG STRIX HIVE II 1 jack ESS9260	2 Jack ALC1220P	5+1 Jack ALC1220P	5+1 Jack ALC1220P	3 Jack ALC897	3 Jack ALC897	3 Jack ALC897
Impedence Sense Audio DAC/AMP	V ESS® ES9219 QUAD DAC	V Savitech SV3H712 AMP	V ESS® ES9219 QUAD DAC	V Savitech SV3H712 AMP	V Savitech SV3H712 AMP	V Savitech SV3H712 AMP		- ·	V -			-	
Audio Cover LED Illuminated Audio Jacks	- V	V -	-	V -	V -	V -			V -	-		-	
Audio Effects Fan Headers	Dolby Atmos 13(from fan Spliter Cables)	Dolby Atmos	Dolby Atmos	Dolby Atmos	Dolby Atmos	Dolby Atmos	Dolby Atmos	- 8	DTS Custom	DTS Custom	- 7	7	7
Fan Headers Cooling Heatsinked M.2	гэдний тай эритеr Cables) 6	6	6	7	5	5	2	5	4	3	1	1	
NPU Boost ASUS AI Advisor	v	v v	V V	V V	v v	V	V	V V	V	v	V *This feature only supports Intel K series processors	V *This feature only supports Intel K series processors V	V * This feature only supports Intel K series processors V
Al Overclocking	v	V	v v	V	v	v v	V	V V	V	- V	- V	- V	- V
Al Networking II	V 6 v ARGR/from ARGR Spliter Cables	V 3 v ARCR	V 3 v ARGR	V 3 y ARGR	V 3 v ARCR	V 3 v ARGR	V 2 v ARGR	V 3 v ARGR	V 3 v ARGR	V 3 v ARGR	V 3 v ARCR 1 v RCR		V 3 v ARCR±1 v RCR
RGB Header CPU power connector	6 x ARGB(from ARGB Spliter Cables) 8+8	3 x ARGB 8+8	3 x ARGB 8+8	3 x ARGB 8+8	3 x ARGB 8+8	3 x ARGB 8+8	2 x ARGB	3 x ARGB 8+8	3 x ARGB 8+8	3 x ARGB 8+8	3 x ARGB+1 x RGB 8+8	3 x ARGB+1 x RGB 8+8	3 x ARGB+1 x RGB 8+4
ProCool/ ProCool II COM port/ header	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool II	ProCool	ProCool 1	ProCool 1	ProCool 1	ProCool 1
FW TPM / TPM header/ TPM IC onboard BIOS Flash ROM (8+16/32MB)	FW TPM 2 x 32MB(2 x 256Mb)	FW TPM 2 x 32MB(2 x 256Mb)	FW TPM 32MB(256Mb)	FW TPM 32MB(256Mb)	FW TPM 32MB(256Mb)	FW TPM 32MB(256Mb)	FW TPM 32MB(256Mb)	TPM header 32MB(256Mb)	FW TPM 32MB(256Mb)	FW TPM 32MB(256Mb)	TPM header 2 X16MB(256Mb)	TPM header 2 X16MB(256Mb)	TPM header
BIOS FIASTI HOM (8+16/32MB) USB BIOS FIAShBack™	2 X 32MB(2 X 250MD)	2 x 3zmb(2 x 25bmb)	32MB(2ЭӨМО) V	V	32MB(250MB)	32MIS(256MID)	32MIS(236MID)	32MB(256WD)	32MIS(256MID)	32/MB(250MD)	Z A TOMB(ZOOMID)	Z X I DMB(Z SOMID)	Z X TOMIS(ZODMID)

