

Motherboard At-a-Glance Info Tables

Intel 11th – 13th Generation:

Release CPU	Socket	Chipset	CPU OC	RAM OC	PCIe 5.0 via processor	PCIe 4.0 via processor	PCIe 4.0 via chipset	PCIe 3.0 via chipset	USB3 20gb	USB3 10gb	USB3 5gb	USB 2 480Mb	SATA
13th gen intel	1700	Z790	Y	Y	1 x 16 or 2 x 8	1 x 8	max 20	max 8	max 5	max 10	max 10	14	max 8
13th gen intel	1700	H770	N	Y	1 x 16 or 2 x 8	max 16	max 16	max 8	max 2	max 4	max 8	14	max 8
13th gen intel	1700	B760	N	Y	1 x 16	max 10	max 10	max 4	max 2	max 4	max 6	12	max 4
12th gen intel	1700	Z690	Y	Y	1 x 16 or 2 x 8	1 x 4	max 12	max 16	max 4	max 10	max 10	14	max 8
12th gen intel	1700	H670	Y	Y	1 x 16 or 2 x 8	1 x 4	max 12	max 12	max 2	max 4	max 8	14	max 8
12th gen intel	1700	B660	Y	Y	1 x 16	1 x 4	max 6	max 8	max 2	max 4	max 6	12	max 4
12th gen intel	1700	H610	N	N	1 x 16	none	none	8	none	max 2	max 4	10	max 4
11th gen intel	1200	Z590	Y	Y	none	1 x 16 + 1 x 4 or 2 x 8 + 1 x 4 or 1 x 8 + 3 x 4	none	max 24	max 3	max 10	max 10	14	6
11th gen intel	1200	H570	N	Y	none	1 x 16 + 1 x 4	none	max 20	max 2	max 4	max 8	14	6
11th gen intel	1200	B560	N	Y	none	1 x 16 + 1 x 4	none	max 12	max 2	max 4	max 6	12	6
11th gen intel	1200	H510	N	N	none	1 x 16	none	max 6	none	none	max 4	10	4

AM5:

Release CPU	Socket	Chipset	CPU OC	RAM OC	Total PCIe PCIe5	PCIe - GPU	PCIe - NVME	USB3 20gb	USB 3 10g	Sata
7000 Series AMD	AM5	X670E	Y	Y	<u>44 total</u> 24 PCIe5	1 x16 PCIe5 or 2 x8 PCIe5	1 x4 PCIe5 (CPU) and up to 1 x4 PCIe5(chipset)	2	12	8
7000 Series AMD	AM5	X670	Y	Y	<u>44 total</u> 8 PCIe5	1 x16 PCIe4 or 2 x8 PCIe4	1 x4 PCIe5 (CPU) and up to 1 x4 PCIe5(chipset)	2	12	8
7000 Series AMD	AM5	B650E	Y	Y	<u>36 total</u> 24 PCIe5	1 x16 PCIe5 or 2 x8 PCIe5	1 x4 PCIe5 (CPU) and up to 1 x4 PCIe5(chipset)	1	6	4
7000 Series AMD	AM5	B650	Y	Y	<u>44 total</u> 0 PCIe5	1 x16 PCIe4 or 2 x8 PCIe4	1 x4 PCIe4(CPU)	1	6	4

AM4/AM3:

Release CPU	Socket	Chipset	CPU OC	RAM OC	PCIe via chipset	PCIe4	PCIe3	PCIe2	SATA3	USB3 10gb	USB3 5gb	USB2 480 Mb
5000 Series AMD	AM4	X570	Y	Y	PCIe 4.0 x4	16 (8 for 4x SATA or x4 NVMe)	0	0	4	8	0	4
5000 Series AMD	AM4	B550	Y	Y	PCIe 3.0 x4	0	10 (2 for SATA)	0	4	2	2	6
3000 Series AMD	AM3	X470	Y	Y	PCIe 3.0 x4	0	0	8	4	2	6	6
3000 Series AMD	AM3	B450	Y	Y	PCIe 3.0 x4	0	0	6	2	2	2	6