

GIGABYTE™ B660 Series Motherboards

Series		AORUS							GIGABYTE Gaming						
Model		B660 AORUS MASTER	B660 AORUS MASTER DDR4	B660M AORUS PRO AX	B660M AORUS PRO AX DDR4	B660M AORUS PRO	B660M AORUS PRO DDR4	B660I AORUS PRO DDR4	B660 GAMING X	B660 GAMING X DDR4	B660 GAMING X AX DDR4	B660M GAMING X AX	B660M GAMING X AX DDR4	B660M GAMING X	B660M GAMING X DDR4
Form Factor		ATX 305 x 244	ATX 305 x 244	mATX 244 x 244	mATX 244 x 244	mATX 244 x 244	mATX 244 x 244	Mini-ITX 170 x 170	ATX 305 x 244	ATX 305 x 244	ATX 305 x 244	mATX 244 x 244	mATX 244 x 244	mATX 244 x 244	mATX 244 x 244
Power		16+1+1 Twin Hybrid (DrMOS 60A)	16+1+1 Twin Hybrid (DrMOS 60A)	12+1+1 Twin Hybrid (DrMOS 60A)	12+1+1 Twin Hybrid (DrMOS 60A)	12+1+1 Twin Hybrid (DrMOS 60A)	12+1+1 Twin Hybrid (DrMOS 60A)	8+1+1 Digital (SPS 90A)	8+1+1 Hybrid (DrMOS 60A)	8+1+1 Hybrid (DrMOS 60A)	8+1+1 Hybrid (DrMOS 60A)	8+1+1 Hybrid (DrMOS 60A)	8+1+1 Hybrid (DrMOS 60A)	8+1+1 Hybrid (DrMOS 60A)	8+1+1 Hybrid (DrMOS 60A)
Memory	DDR5 / DDR4	DDR5	DDR4	DDR5	DDR4	DDR5	DDR4	DDR4	DDR5	DDR4	DDR4	DDR5	DDR4	DDR5	DDR4
	Slots	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	2 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs	4 x DIMMs
	Speed (MHz)	6000 (OC)	5333 (OC)	5600 (OC)	5333 (OC)	5600 (OC)	5333 (OC)	5333 (OC)	5600 (OC)	4400 (OC)	4400 (OC)	5600 (OC)	4400 (OC)	5600 (OC)	4400 (OC)
	Shielded Memory Routing	V	V	V	V	V	V	V	V	-	-	V	-	V	-
Expansion Slots	PCIe Armor	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Slots	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4 1 x PCIe 3.0 x1	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4 1 x PCIe 3.0 x1	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16	1 x PCIe 4.0 x16 2 x PCIe 3.0 x1	1 x PCIe 4.0 x16 2 x PCIe 3.0 x1	1 x PCIe 4.0 x16 2 x PCIe 3.0 x1	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4	1 x PCIe 4.0 x16 1 x PCIe 3.0 x4
Storage	M.2 Slot	3 (2 x Gen4)	3 (2 x Gen4)	2 (2 x Gen4)	2 (2 x Gen4)	2 (2 x Gen4)	2 (2 x Gen4)	1 (1 x Gen4)	3 (2 x Gen4)	3 (2 x Gen4)	3 (2 x Gen4)	2 (2 x Gen4)	2 (2 x Gen4)	2 (2 x Gen4)	2 (2 x Gen4)
	SATA	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3	4 x SATA3
Thermal	M.2 Heatsink	ALL	ALL	1	1	1	1	ALL	1	1	1	1	1	1	1
	Preinstalled IO Shield	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	Fan Headers	8	8	6	6	6	6	3	6	6	6	4	4	4	4
	Temp Sensor	9	9	6	6	6	6	4	6	6	6	6	6	6	6
Networking	LAN	Intel® 2.5GbE LAN	Intel® 2.5GbE LAN	Intel® 2.5GbE LAN	Intel® 2.5GbE LAN	Intel® 2.5GbE LAN	Intel® 2.5GbE LAN	Intel® 2.5GbE LAN	2.5GbE LAN	2.5GbE LAN	2.5GbE LAN	2.5GbE LAN	2.5GbE LAN	2.5GbE LAN	2.5GbE LAN
	WiFi	802.11ax Wireless	802.11ax Wireless	802.11ax Wireless	802.11ax Wireless	-	-	802.11ax Wireless	-	-	802.11ax Wireless	802.11ax Wireless	802.11ax Wireless	-	-
Audio		ALC1220	ALC1220	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio	8-ch HD Audio
USB	Thunderbolt	Pin header	Pin header	Pin header	Pin header	Pin header	Pin header	-	-	-	-	Pin header	Pin header	Pin header	Pin header
	USB 3.2 Gen2 x2 Type-C (20Gbps)	1(R)	1(R)	1(R)	1(R)	1(R)	1(R)	-	-	-	-	-	-	-	-
	USB 3.2 Gen2 Type-C	1(F)	1(F)	1(F)	1(F)	1(F)	1(F)	1(R)	1(F)	1(F)	1(F)	1(F)	1(F)	1(F)	1(F)
	USB 3.2 Gen2 Type-A	1	1	1	1	1	1	1	1	1	1	-	-	-	-
	USB 3.2 Gen1 Type-C	-	-	-	-	-	-	1(F)	-	-	-	-	-	-	-
	USB Port	17	17	17	17	17	17	13	15	15	15	15	15	15	15
BIOS		Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+	Single Bios / Q-Flash+
Onboard Display		HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort	HDMI 2.1, DisplayPort
RGB Headers		RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 1 / Digital x 1	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2	RGB x 2 / Digital x 2

*The specification and pictures are subject to change without notice.