GIGABYTE

GIGABYTE B650I AX Motherboard - Supports AMD AM5 CPUs, 5+2+1 Phases Digital VRM, up to 6400MHz DDR5 (OC), 1xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2
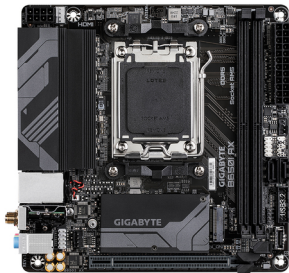
Brand : GIGABYTE

Product name : B650I AX Motherboard - Supports AMD AM5 CPUs, 5+2+1 Phases Digital VRM, up to 6400MHz DDR5 (OC), 1xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2

Product code: B650I AX

- AMD Socket AM5䖌Supports AMD Ryzen™ 7000/ Ryzen™ 8000 Series Processors
- Unparalleled Performance䖌5+2+1 Phases Digital VRM Solution
- Dual Channel DDR5䖌2*SMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
- SuperSpeed Storage䖌PCIe 4.0 x4 M.2 Connector
- EZ-Latch䖌PCIe x16 Slot with Quick Release Design
- Fast Networks䖌Wi-Fi 6E 802.11ax & 2.5GbE LAN
- Extended Connectivity䖌DP, HDMI
- Smart Fan 6䖌Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
- Q-Flash Plus䖌Update BIOS Without Installing the CPU, Memory and Graphics Card
Mini-ITX, Socket AM5, AMD B650, 2 x DDR5, 2.5GbE LAN, Wi-Fi 6E

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen™ 7
Maximum number of SMP processors	1
Supported processor sockets	Socket AM5
Maximum internal memory supported by processor	96 GB

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400 MHz
Supported memory clock speed (max)	6400 MHz
Maximum internal memory *	96 GB
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	2
Number of storage drives supported	3
RAID support	✓
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	Not supported

Rear panel I/O ports

DisplayPort version	1.4
Headphone outputs	1
Microphone in	✓
WiFi-AP antenna jack	2
USB connector type	USB Type-A, USB Type-C

Network

Ethernet LAN	✓
Ethernet interface type	2.5 Gigabit Ethernet
LAN controller	Realtek RTL8125
Wi-Fi *	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
WLAN controller model	Realtek RTL8852CE
Bluetooth	✓
Bluetooth version	5.3

Features

Motherboard chipset *	AMD B650
Audio chip	Realtek ALC897
Audio output channels *	7.1 channels
Product colour	Brown
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	mini ITX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

PCI Express x16 (Gen 4.x) slots	1

Graphics

Maximum resolution	7680 x 4320 pixels
HDCP	✔
DirectX version	12.0
Discrete graphics support	✔

Internal I/O

USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	2
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
Number of EATX power connectors	1
CPU fan connector	✔
EPS power connector (8-pin)	✔
12V power connector	✔
RGB LED pin header	✔

Rear panel I/O ports

USB 2.0 ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1

Expansion slots

Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✔
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Logistics data

Country of origin	China
Products per shipping (inner) case	1 pc(s)

Battery

Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data

Package width	222 mm
Package depth	180 mm
Package height	65 mm
Package weight	790 g

Weight & dimensions

Width	170 mm
Depth	170 mm
Height	35 mm

Packaging content

Cables included	SATA
Batteries included	✔
Antenna included	✔
Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

Technical details

Warranty period	3 year(s)

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