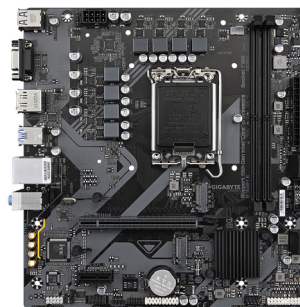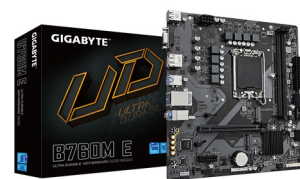GIGABYTE

GIGABYTE B760M E Motherboard - Supports 14th Gen. Intel Core CPUs, 6+1+1 phases VRM, up to 7200MHz DDR5 (OC), 2xPCIe 4.0 M.2, 1 GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product name : B760M E Motherboard - Supports 14th Gen. Intel Core CPUs, 6+1+1 phases VRM, up to 7200MHz DDR5 (OC), 2xPCIe 4.0 M.2, 1 GbE LAN, USB 3.2 Gen 1

Product code: B760M E

- Supports Intel Core 14th/ 13th /12th processors
- Unparalleled Performance: Hybrid 6+1+1 Phases Digital VRM Solution
- Dual Channel DDR5: 2*DIMMs XMP Memory Module Support
- Next Generation Storage: 2*PCIe 4.0 x4 M.2 Connectors
- EZ-Latch: PCIe 4.0x16 Slot with Quick Release Design
- Fast Networks: GbE LAN
- Extended Connectivity: Display Port, HDMI, D-Sub
- Smart Fan 6: Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
B760M E Motherboard - Supports 14th Gen. Intel Core CPUs, 6+1+1 phases VRM, up to 7200MHz DDR5 (OC), 2xPCIe 4.0 M.2, 1 GbE LAN, USB 3.2 Gen 1

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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

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1700
Compatible processor series *	Intel® Celeron®, Intel Core i3 12th Gen, Intel Core i3 13th Gen, Intel Core i3 14th Gen, Intel Core i5 12th Gen, Intel Core i5 13th Gen, Intel Core i5 14th Gen, Intel Core i7 12th Gen, Intel Core i7 13th Gen, Intel Core i7 14th Gen, Intel Core i9 12th Gen, Intel Core i9 13th Gen, Intel Core i9 14th Gen, Intel® Pentium® Gold
Supported processor sockets	LGA 1700

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Supported memory clock speeds	7200,7000,6800,6600,6400,6200,6000,5800,5600,5400,5200,4800,4000 MHz
Supported memory clock speed (max)	7200 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✔
Maximum internal memory per slot	64 GB

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	6
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	Not supported

Rear panel I/O ports

Headphone outputs	1
Line-in	✔
Microphone in	✔

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
LAN controller	Realtek RTL8111H
Wi-Fi *	✗

Features

Motherboard chipset *	Intel B760
Audio chip	Realtek ALC897
Audio output channels *	7.1 channels
Product colour	Dark brown
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 4.x) slots	1
Number of M.2 (M) slots	2
1st M.2 largest key size	2280
1st M.2 highest PCI Express generation	4.0

Graphics

Maximum resolution	4096 x 2160 pixels
HDCP	✔
DirectX version	12.0

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
S/PDIF out connector	✔
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of CPU fan connectors	1
Number of chassis fan connectors	2
EPS power connector (8-pin)	✔
Number of EPS power connectors (8-pin)	1
TPM connector	✔
Serial port headers	1
12V power connector	✔
RGB LED pin header	✔
Number of RGB LED pin headers	1

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports *	1
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.2

Expansion slots

2nd M.2 largest key size	2280
2nd M.2 highest PCI Express generation	4.0

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 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	265 mm
Package depth	265 mm
Package height	54 mm
Package weight	900 g

Weight & dimensions

Width	230 mm
Depth	215 mm
Height	35 mm

Packaging content

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

Technical details

Warranty period	3 year(s)

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