



IB5-8131

INTEL B760 CHIPSET MINI-ITX MOTHERBOARD



Intel® LGA1700 Socket
12th/13th/14th Gen. processors



1 x HDMI (4096 x 2160 @60 Hz)
1 x DP (7680 x 4320 @60 Hz)
1 x LVDS (1920 x 1200 @60 Hz)



Support Wi-Fi/BT module
Support Wi-Fi 6/6E/7



Mini-ITX form-factor
170 mm x 170 mm (6.69" x 6.69")

CPU

CPU	Intel® LGA1700 Socket 12 th /13 th /14 th Gen. processors
Frequency	By CPU
Chipset	B760
Processing Units	By CPU
TDP	≤ 65 W

System

GPU	Intel® UHD Graphics (By CPU)
System Memory	Up to 96 GB, 2 x U-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD 2 x SATAIII
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	ATX
Dimensions	170 mm x 170 mm (6.69" x 6.69")
Operating system	Windows 10 (64bit) /Windows 11 (64bit) Linux Ubuntu (64bit)
Operating Temperature	0°C ~60°C (32°F~140°F) @0.7m/s Air Flow
Storage Temperature	-20°C ~75°C (-4°F~167°F)
Humidity	5% ~95% @ 60°C (non-condensing)

Network

Network Controller	1 x Intel® Ethernet Controller I225-V 1 x Realtek RTL 8111H Gigabit Ethernet
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6/ 6E, (Wi-Fi 7 only 14th CPU)
Mobile Network	NA

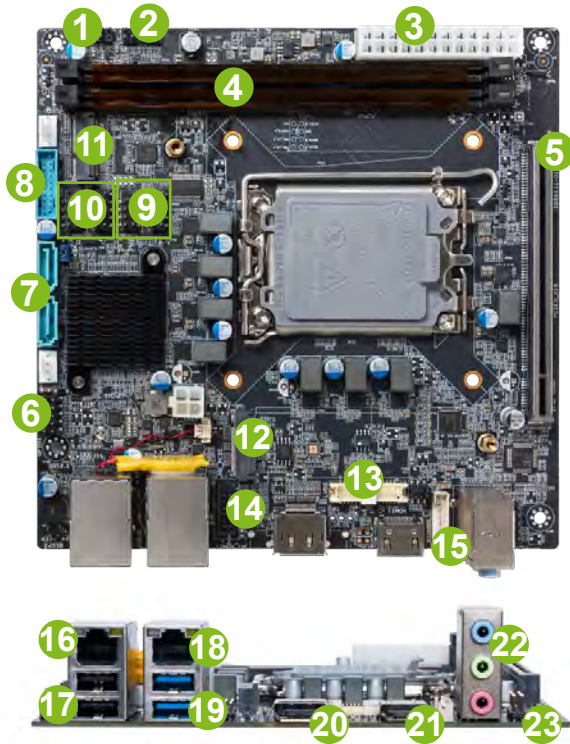
Rear I/O

USB	2 x USB3.2 Gen2, 2 x USB2.0
Display Interface	1 x HDMI (Max.4096 x 2160 @60 Hz) 1 x DP1.4 (Max.7096 x 4320 @60 Hz) VGA colay with DP
Audio	1 x MIC-IN, 1 x LINE-IN, 1 x AUDIO-OUT
Ethernet Interface	1 x 2.5GbE RJ45, 1 x 1 GbE RJ45

Internal I/O

USB	2 x USB3.2 Gen1, signal by 1 x 19pin header 2 x USB2.0, signal by 1 x 9pin header
Display	1 x 30pin dual channel 24bit LVDS 1 x 16pin J_HDMI (Max. 4096 x 2160 @60 Hz)
PCIe	1 x PCIe5.0 X16
Serial port	2 x RS232, signal by 2 x 9pin header 2 x RS232/422/485, signal by 2 x 9pin header
Power	1 x 24pin + 8pin ATX PWR_IN,
Audio	1 x 10pin FP_AUDIO, 1 x 4pin SPEAKER
Others	4 x GPI, 4 x GPO 1 x 10pin F_PANEL 1 x 4pin SYS_FAN, 1 x 4pin CPU_FAN

Dimensions and Drawing



No.	Dimensions	No.	Dimensions
1	USB2.0	20	DP
2	F_PANEL	21	HDMI-OUT
3	ATX	22	AUDIO
4	2*U-DIMM	23	F_AUDIO
5	PCIE X16		
6	GPIO		
7	2*SATAIII		
8	F_USB3.2 Gen1		
9	2*RS232		
10	2*RS232/422/485		
11	M.2 (2230)		
12	M.2 (2280)		
13	LVDS		
14	J_HDMI		
15	INVERTER		
16	RJ45		
17	2*USB2.0		
18	2.5GbE RJ45		
19	2*USB3.2 Gen2		

Order information

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Intel® B760 Chipset

Optional

NA