1.2 Specifications

Platform	• 6.7-in x 6.8-in, 17.0 cm x 17.2 cm • Solid Capacitor design
CPU	• Supports 13th Gen & 12th Gen Intel® Core™ Processors (LGA1700) • 4 Power Phase design • Supports Intel® Hybrid Technology • Supports Intel® Turbo Boost Max 3.0 Technology
Chipset	• Intel® H610
Memory	• Dual Channel DDR4 Memory Technology • 2 x DDR4 SO-DIMM Slots • Supports DDR4 non-ECC, un-buffered memory up to 3200* * Please refer to Memory Support List on ASRock's website for more information. (http://www.asrock.com/) • Max. capacity of system memory: 64GB • Supports Intel® Extreme Memory Profile (XMP) 2.0
Expansion Slot	• 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT module and Intel® CNVi (Integrated WiFi/BT)
Graphics	• Intel® UHD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated. • Intel® Xe Graphics Architecture (Gen 12) • Three graphics output options: 1x HDMI, 1 x DisplayPort 1.4 (DP1), 1 x DisplayPort 1.2 (DP2) • Supports Triple Monitor • Supports HDMI 2.1 TMDS Compatible with max. resolution up to 4K x 2K (4096x2160) @ 60Hz • Supports DisplayPort 1.4 with DSC (compressed) max. resolution up to 8K (7680x4320) @ 60Hz / 5K (5120x3200) @ 120Hz • Supports DisplayPort 1.2 with DSC (compressed) max. resolution up to 4K x 2K (4096x2304) @ 60Hz

- Supports HDCP 2.3 with HDMI 2.1 TMDS Compatible and DisplayPort 1.4/1.2 Ports

Audio	• Realtek ALC269 Audio Codec • 1 x MIC IN • 1 x Headset/Headphone
LAN	• Gigabit LAN 10/100/1000 Mb/s • Giga PHY Intel® I219V • Supports Wake-On-LAN • Supports Lightning/ESD Protection • Supports Energy Efficient Ethernet 802.3az • Supports PXE
Front Panel I/O	• 1 x Power Button • 1 x Headphone/Headset Jack • 1 x USB 3.2 Gen1 Type-A Port (Support ESD Protection) • 1 x USB 3.2 Gen1 Type-C Port (Support ESD Protection) • 2 x USB 2.0 Ports (Supports ESD Protection) • 1 x Microphone Input Jack
Rear Panel I/O	• 1 x DC Jack (Compatible with the 19V power adapter)* * Please use 90W power adapter for 35W CPU and 120W power adapter for 65W CPU. • 1 x HDMI Port • 2 x DisplayPort* * (1 x DP co-lay D-SUB) • 4 x USB 3.2 Gen1 Type-A Ports (Supports ESD Protection) • 1 x USB 3.2 Gen1 Type-C Port (Supports ESD Protection) • 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)
Storage	• 1 x SATA3 6.0 Gb/s Connector, supports NCQ, AHCI and Hot Plug • 1 x Hyper M.2 Socket (M2_1, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode* • 1 x Ultra M.2 Socket (M2_2, Key M), supports type 2280 PCIe Gen3x4 (32 Gb/s) mode* * Supports NVMe SSD as boot disks

English

Connector	• 1 x COM Port Header
	• 1 x Chassis Intrusion Header
	• 1 x CPU Fan Connector (4-pin)
	* The CPU Fan Connector supports the CPU fan of maximum 1A (12W) fan power.
	• 1 x Chassis Fan Connector (4-pin) (Smart Fan Speed Control)
	• 1 x Mono-Out Header
BIOS Feature	• AMI UEFI Legal BIOS with GUI support
	• ACPI 6.0 Compliant wake up events
	• SMBIOS 2.7 Support
Hardware Monitor	• Fan Tachometer: CPU, Chassis Fans
	• Quiet Fan (Auto adjust chassis fan speed by CPU temperature): CPU, Chassis Fans
	• Fan Multi-Speed Control: CPU, Chassis Fans
	• CASE OPEN detection
	• Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	• Microsoft® Windows® 10 64-bit / 11 64-bit
Power	• 1 x DC Jack (Supports 19V DC Power Adapters)
Certifica-tions	• FCC, CE
	• ErP/EuP ready (ErP/EuP ready power supply is required)

⚠ *Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS, applying Untied Overclocking Technology, or using third-party overclocking tools. Overclocking may affect your system's stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.*

English