

1.2 Specifications

Platform • Micro ATX Form Factor

CPU

- Supports 14th, 13th & 12th Gen Intel® Core™ Processors (LGA1700)
- Supports Intel® Hybrid Technology
- Supports Intel® Turbo Boost Max 3.0 Technology
- Supports Intel® Thermal Velocity Boost (TVB)
- Supports Intel® Adaptive Boost Technology (ABT)

Chipset • Intel® B760

Memory

- Dual Channel DDR5 Memory Technology
- 2 x DDR5 DIMM Slots
- Supports DDR5 non-ECC, un-buffered memory up to 7200+(OC)*
1DPC 1R Up to 7200+ MHz (OC), 5600 MHz Natively.
1DPC 2R Up to 6800+ MHz (OC), 5200 MHz Natively.
- Max. capacity of system memory: 128GB
- Supports Intel® Extreme Memory Profile (XMP) 3.0

* Please refer to Memory Support List on ASRock's website for more information. (<http://www.asrock.com/>)

Expansion Slot

CPU:

- 1 x PCIe 5.0 x16 Slot (PCIe1), supports x16 mode*

Chipset:

- 1 x PCIe 3.0 x1 Slots (PCIe2)*
- 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module

* Supports NVMe SSD as boot disks

Graphics

- Intel® UHD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated.
- Intel® X^e Graphics Architecture (Gen 12)
- 1 x HDMI 2.1 TMDS Compatible, supports HDCP 2.3 and max. resolution up to 4K 60Hz

- 1 x DisplayPort 1.4 with DSC (compressed), supports HDCP 2.3 and max. resolution up to 8K 60Hz / 5K 120Hz

Audio

- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)

LAN

- 2.5 Gigabit LAN 10/100/1000/2500 Mb/s
- Dragon RTL8125BG
- Supports Dragon 2.5G LAN Software
 - Smart Auto Adjust Bandwidth Control
 - Visual User Friendly UI
 - Visual Network Usage Statistics
 - Optimized Default Setting for Game, Browser, and Streaming Modes
 - User Customized Priority Control

USB

Chipset:

- 1 x USB 3.2 Gen1 Type-C (Rear)
- 5 x USB 3.2 Gen1 Type-A (3 Rear, 2 Front)
- 6 x USB 2.0 (2 Rear, 4 Front)

* All USB ports support ESD Protection

Rear Panel I/O

- 2 x Antenna Mounting Points
- 1 x HDMI Port
- 1 x DisplayPort 1.4
- 1 x USB 3.2 Gen1 Type-C Port
- 3 x USB 3.2 Gen1 Type-A Ports
- 2 x USB 2.0 Ports
- 1 x RJ-45 LAN Port
- HD Audio Jacks: Line in / Front Speaker / Microphone

Storage

Chipset:

- 1 x Hyper M.2 Socket (M2_1, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode*
- 1 x Ultra M.2 Socket (M2_2, Key M), supports type 2280 PCIe Gen3x4 (32 Gb/s) modes*
- 4 x SATA3 6.0 Gb/s Connectors

* Supports Intel® Volume Management Device (VMD)

* Supports NVMe SSD as boot disks

RAID

- Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices

Connector

- 1 x SPI TPM Header
 - 1 x Chassis Intrusion and Speaker Header
 - 1 x RGB LED Header*
 - 3 x Addressable LED Headers**
 - 1 x CPU Fan Connector (4-pin)***
 - 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)****
 - 2 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control)*****
 - 1 x 24 pin ATX Power Connector
 - 1 x 8 pin 12V Power Connector
 - 1 x Front Panel Audio Connector
 - 2 x USB 2.0 Headers (Support 4 USB 2.0 ports)
 - 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports)
- * Supports in total up to 12V/3A, 36W LED Strip
- ** Support in total up to 5V/3A, 15W LED Strip
- *** CPU_FAN1 supports the fan power up to 1A (12W).
- **** CPU_FAN2/WP supports the fan power up to 2A (24W).
- ***** CHA_FAN1~2/WP support the fan power up to 2A (24W).
- ***** CPU_FAN2/WP and CHA_FAN1~2/WP can auto detect if 3-pin or 4-pin fan is in use.

BIOS Feature

- AMI UEFI Legal BIOS with GUI support

OS

- Microsoft® Windows® 10 64-bit / 11 64-bit

Certifica- tions

- FCC, CE
- ErP/EuP ready (ErP/EuP ready power supply is required)