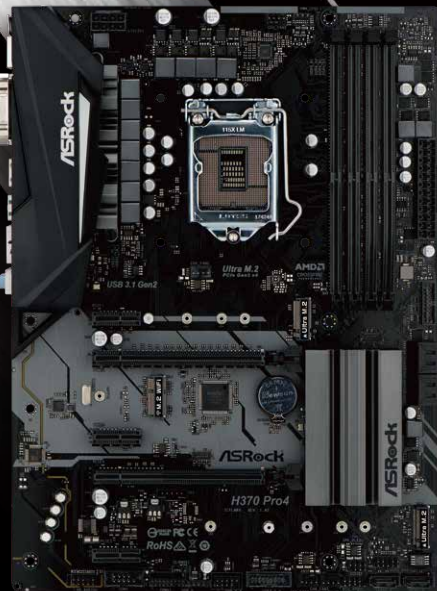


# H370 Pro4



## Product Brief:

- Supports 8<sup>th</sup> Generation Intel® Core™ Processors (Socket 1151)
- 10 Power Phase Design
- Supports DDR4 2666
- 2 PCIe 3.0 x16, 3 PCIe 3.0 x1, 1 M.2 (Key E)
- AMD Quad CrossFireX™
- Graphics Output Options: HDMI, DVI-D, D-Sub
- 7.1 CH HD Audio (Realtek ALC892 Audio Codec), ELNA Audio Caps
- 6 SATA3, 2 Ultra M.2 (PCIe Gen3 x4 & SATA3)
- 2 USB 3.1 Gen2 (Rear Type-A+C), 6 USB 3.1 Gen1 (4 Front, 2 Rear)
- Intel® Gigabit LAN



Supports 8<sup>th</sup> Gen Intel® Core™ desktop processors.

## DUAL ULTRA M.2 FOR SSD

Two of the world's fastest PCIe Gen3 x4 Ultra M.2 slots that deliver up to 32Gb/s transfer speed, it also supports SATA3 6Gb/s M.2 modules.



## SUPPORTS TYPE 22110 M.2

Ready for higher capacity and even faster Type 22110 M.2 NVMe SSD to fulfill the need of performance



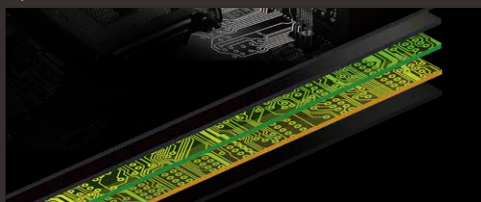
## Intel® Optane™ Memory Ready

Supports Intel® Optane™ memory technology and Intel® Optane™ storage technology that redefines a new standard of high performance and responsiveness.



## ASROCK INTEL® 4-LAYER MEMORY POOL TECHNOLOGY

POOL (Planes On Outer Layers) technology allows 4-layer boards to utilize stripline routing instead of micro-strip routing, making motherboard having better electrical properties and performance.



## INTEL® LAN

Better performance, lowered CPU utilization and enhanced stability.



## USB 3.1 GEN2



## M.2 (KEY E) FOR WIFI



## SuperAlloy

Premium 50A Power Choke  
Sapphire Black PCB  
High Density Glass Fabric PCB



# H370 Pro4

Intel® H370 Chipset

## Detail Specification

Platform	- ATX Form Factor: 12.0-in x 8.8-in, 30.5 cm x 22.4 cm - Solid Capacitor design	Storage	- 6 x SATA3 6.0 Gb/s Connectors, support RAID (RAID 0, RAID 1, RAID 5, RAID 10, Intel Rapid Storage Technology 15), NCQ, AHCI and Hot Plug* * If M2_1 is occupied by a SATA-type M.2 device, SATA3_5 will be disabled. * If M2_2 is occupied by a SATA-type M.2 device, SATA3_0 will be disabled. - 1 x Ultra M.2 Socket (M2_1), supports M Key type 2230/2242/2260/2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen3 x4 (32 Gb/s)** - 1 x Ultra M.2 Socket (M2_2), supports M Key type 2230/2242/2260/2280/22110 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen3 x4 (32 Gb/s)** ** Supports Intel® Optane™ Technology ** Supports NVMe SSD as boot disks ** Supports ASRock U.2 Kit
Unique Feature	ASRock USB 3.1 Gen2 - ASRock USB 3.1 Gen2 Type-A Port (10 Gb/s) - ASRock USB 3.1 Gen2 Type-C Port (10 Gb/s) ASRock Super Alloy - Premium 50A Power Choke - I/O Armor - Sapphire Black PCB - High Density Glass Fabric PCB ASRock Intel® 4-Layer Memory POOL (Planes on Outer Layers) Technology ASRock Ultra M.2 (PCIe Gen3 x4 & SATA3) ASRock Full Spike Protection (for all USB, Audio, LAN Ports) ASRock Live Update & APP Shop	Connector	- 1 x COM Port Header - 1 x TPM Header - 1 x Power LED and Speaker Header - 1 x CPU Fan Connector (4-pin) * The CPU Fan Connector supports the CPU fan of maximum 1A (12W) fan power. - 3 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control) * The Chassis/Water Pump Fan supports the water cooler fan of maximum 2A (24W) fan power. * CHA_FAN1/WP, CHA_FAN2/WP and CHA_FAN3/WP can auto detect if 3-pin or 4-pin fan is in use. - 1 x 24 pin ATX Power Connector - 1 x 8 pin 12V Power Connector - 1 x Front Panel Audio Connector - 1 x Thunderbolt AIC Connector (5-pin) - 2 x USB 2.0 Headers (Support 3 USB 2.0 ports) (Supports ESD Protection) - 2 x USB 3.1 Gen1 Headers (Support 4 USB 3.1 Gen1 ports) (Supports ESD Protection)
CPU	- Supports 8 <sup>th</sup> Generation Intel® Core™ Processors (Socket 1151) - Supports CPU up to 95W - Digi Power design - 10 Power Phase design - Supports Intel® Turbo Boost 2.0 Technology	BIOS Feature	- 128Mb AMI UEFI Legal BIOS with multilingual GUI support - ACPI 6.0 Compliant wake up events - SMBIOS 2.7 Support - DRAM, PCH 1.0V, VCCIO, VCCST, VCCSA, VPPM Voltage Multi-adjustment
Chipset	- Intel® H370	Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar
Memory	- Dual Channel DDR4 Memory Technology - 4 x DDR4 DIMM Slots - Supports DDR4 2666/2400/2133 non-ECC, un-buffered memory - Supports ECC UDIMM memory modules (operate in non-ECC mode) - Max. capacity of system memory: 64GB - Supports Intel® Extreme Memory Profile (XMP) 2.0 - 15µ Gold Contact in DIMM Slots	Software and UEFI	Software - ASRock A-Tuning - ASRock XFast LAN * These utilities can be downloaded from ASRock Live Update & APP Shop.  UEFI - ASRock EZ Mode - ASRock Full HD UEFI - ASRock My Favorites in UEFI - ASRock Instant Flash - ASRock Internet Flash - ASRock Easy RAID Installer
Expansion Slot	- 2 x PCI Express 3.0 x16 Slots (PCIe2/PCIe4: single at x16 (PCIe2); dual at x16 (PCIe2) / x4 (PCIe4)) * If PCIe3 or PCIe5 is occupied, PCIe4 will downgrade to x2 mode. * Supports NVMe SSD as boot disks - 3 x PCI Express 3.0 x1 Slots (Flexible PCIe) - Supports AMD Quad CrossFireX™ and CrossFireX™ - 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT module and Intel® CNVi (Integrated WiFi/BT)	Hardware Monitor	- Temperature Sensing: CPU, Chassis/Water Pump Fans - Fan Tachometer: CPU, Chassis/Water Pump Fans - Quiet Fan (Auto adjust chassis fan speed by CPU temperature): CPU, Chassis/Water Pump Fans - Fan Multi-Speed Control: CPU, Chassis/Water Pump Fans - Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, VPPM, PCH 1.0V, VCCSA, VCCST
Graphics	* Intel® UHD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated. - Supports Intel® UHD Graphics Built-in Visuals : Intel® Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel® InTru™ 3D, Intel® Clear Video HD Technology, Intel® Insider™, Intel® UHD Graphics - DirectX 12 - HWAEncode/Decode: AVC/H.264, HEVC/H.265 8-bit, HEVC/H.265 10-bit, VP8, VP9 8-bit, VP9 10-bit (Decode only), MPEG2, MJPEG, VC-1 (Decode only) - Three graphics output options: D-Sub, DVI-D and HDMI - Supports Triple Monitor - Supports HDMI with max. resolution up to 4K x 2K (4096x2160) @ 30Hz - Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI Port (Compliant HDMI monitor is required) - Supports HDCP with DVI-D and HDMI Ports - Supports 4K Ultra HD (UHD) playback with HDMI Port	OS	- Microsoft® Windows® 10 64-bit
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) * To configure 7.1 CH HD Audio, it is required to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver. - Premium Blu-ray Audio support - Supports Surge Protection - ELNA Audio Caps	Certifications	- FCC, CE - ErP/EuP ready (ErP/EuP ready power supply is required)
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	Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables - 3 x Screws for M.2 Sockets
Rear Panel I/O	- 2 x Antenna Ports - 1 x PS/2 Mouse/Keyboard Port - 1 x D-Sub Port - 1 x DVI-D Port - 1 x HDMI Port - 2 x USB 2.0 Ports (Supports ESD Protection) - 1 x USB 3.1 Gen2 Type-A Port (10 Gb/s) (Supports ESD Protection) - 1 x USB 3.1 Gen2 Type-C Port (10 Gb/s) (Supports ESD Protection) - 2 x USB 3.1 Gen1 Ports (Supports ESD Protection) - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jacks: Line in / Front Speaker / Microphone		

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than the original product specification is not guaranteed.