



169.95 EUR  
incl. 19% VAT, plus [shipping](#)

- 4x 3,20 Ghz max Boost !
- HDMI 4K @60Hz !
- Sapphireblack PCB !



- ASRock Super Alloy
- Intel® Quad-Core Pentium® Processor J5040 (up to 3.2 GHz)
- Supports DDR4 2133/2400 SO-DIMM
- 1x PCIe 2.0 x1, 1 M.2 (Key E)
- Graphics Output Options: D-Sub, HDMI, DVI-D
- 7.1 CH HD Audio (Realtek ALC892 Audio Codec), ELNA Audio Caps
- 4x SATA3
- 4x USB 3.2 Gen1 (2 Front, 2 Rear)
- Supports Full Spike Protection, ASRock Live Update & APP Shop

**ASRock Super Alloy**

- Sapphire Black PCB
- High Density Glass Fabric PCB

**ASRock Full Spike Protection** (for all USB, Audio, LAN Ports)

**ASRock Live Update & APP Shop**

Intel® Quad-Core Pentium® Silver Processor J5040 (up to 3.2 GHz)

- Dual Channel DDR4 Memory Technology
- 2 x DDR4 SO-DIMM Slots\*
- Supports DDR4 2400 / 2133 non-ECC, un-buffered memory
- Max. capacity of system memory: 8GB

(2GB DRAM per module is not supported.)

Unique Feature

CPU

Memory

BIOS	<ul style="list-style-type: none"><li>- 128Mb AMI UEFI Legal BIOS with GUI support</li><li>- Supports Plug and Play</li><li>- ACPI 5.0 compliant wake up events</li><li>- Supports jumperfree</li><li>- SMBIOS 3.0 support</li><li>- Integrated Intel® UHD Graphics 605: 18 EUs inside (Up to 800MHz)</li><li>- DX12, OpenGL 4.4, OGL ES 3.1, OpenCL 1.2</li><li>- HW Acceleration Decode: HEVC (H.265) 8 bit, HEVC (H.265)10 bit, H.264 @ Lvl5.2 (AVC), JPEG/MJPEG, VP8, VP9 8bit, VP9 10 bit</li><li>- HW Acceleration Encode: HEVC (H.265) 8 bit, HEVC (H.265)10 bit, H.264 @ Lvl5.2 (AVC), JPEG/MJPEG, VP8, VP9 8bit</li><li>- Three graphics output options: D-Sub, DVI-D and HDMI</li></ul>
Graphics	<ul style="list-style-type: none"><li>- Supports Triple Monitor</li><li>- Supports HDMI with max. resolution up to 4K x 2K (4096x2160) @ 60Hz</li><li>- Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz</li><li>- Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz</li><li>- Supports Auto Lip Sync, xvYCC and HBR (High Bit Rate Audio) with HDMI Port (Compliant HDMI monitor is required)</li><li>- Supports HDCP 2.2 with DVI-D and HDMI Ports</li><li>- Supports Full HD 1080p Blu-ray (BD) playback with DVI-D and HDMI Ports</li></ul>
Audio	<ul style="list-style-type: none"><li>- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)</li><li>- Premium Blu-ray Audio support</li><li>- Supports Surge Protection</li><li>- ELNA Audio Caps</li></ul>
LAN	<ul style="list-style-type: none"><li>- PCIE x1 Gigabit LAN 10/100/1000 Mb/s</li><li>- Realtek RTL8111H</li><li>- Supports Wake-On-LAN</li><li>- Supports Lightning/ESD Protection</li><li>- Supports Energy Efficient Ethernet 802.3az</li><li>- Supports PXE</li></ul>
Slots	<ul style="list-style-type: none"><li>- 1 x PCI Express 2.0 x1 Slot</li><li>- 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT module and Intel® CNVi (Integrated WiFi/BT)</li></ul>
Storage	<ul style="list-style-type: none"><li>- 2 x SATA3 6.0 Gb/s Connectors, support NCQ, AHCI and Hot Plug</li><li>- 2 x SATA3 6.0 Gb/s Connectors by ASMedia ASM1061, support NCQ, AHCI and Hot Plug</li></ul>
Connector	<ul style="list-style-type: none"><li>- 1 x COM Port Header</li><li>- 1 x Chassis Intrusion and Speaker Header</li><li>- 1 x CPU Fan Connector (3-pin)</li><li>- 1 x Chassis Fan Connector (3-pin)</li><li>- 1 x 24 pin ATX Power Connector</li><li>- 1 x Front Panel Audio Connector</li><li>- 2 x USB 2.0 Headers (Support 3 USB 2.0 ports) (Supports ESD Protection)</li><li>- 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports) (Supports ESD Protection)*</li></ul>

\*USB3\_0\_1 and USB\_0\_1 cannot be occupied simultaneously.  
Please connect a USB cable to one of these headers only.

Rear Panel I/O	<ul style="list-style-type: none"><li>- 1 x PS/2 Mouse Port</li><li>- 1 x PS/2 Keyboard Port</li><li>- 1 x D-Sub Port</li><li>- 1 x DVI-D Port</li><li>- 1 x HDMI Port</li><li>- 1 x Optical SPDIF Out Port</li><li>- 2 x USB 2.0 Ports (Supports ESD Protection)</li><li>- 2 x USB 3.2 Gen1 Ports (Supports ESD Protection)</li><li>- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)</li><li>- HD Audio Jacks: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone</li></ul>
Software and UEFI	<p><b>Software</b></p> <ul style="list-style-type: none"><li>- ASRock XFast LAN</li></ul> <p><b>UEFI</b></p> <ul style="list-style-type: none"><li>- ASRock Instant Flash</li><li>- ASRock Internet Flash</li></ul>
Support CD	<ul style="list-style-type: none"><li>- Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar</li><li>- Quick Installation Guide, Support CD, I/O Shield</li></ul>
Accessories	<ul style="list-style-type: none"><li>- 2 x SATA Data Cables</li><li>- 1 x Screw for M.2 Socket</li><li>- CPU/Chassis temperature sensing</li><li>- CPU/Chassis Fan Tachometer</li><li>- CPU/Chassis Quiet Fan (Auto adjust chassis fan speed by CPU temperature)</li></ul>
Hardware Monitor	<ul style="list-style-type: none"><li>- CPU/Chassis Fan multi-speed control</li><li>- CASE OPEN detection</li><li>- Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore</li></ul>
Form Factor	<ul style="list-style-type: none"><li>- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm</li><li>- Solid Capacitor design</li></ul>
OS	<ul style="list-style-type: none"><li>- Microsoft® Windows® 10 64-bit</li></ul>
Certifications	<ul style="list-style-type: none"><li>- FCC, CE</li><li>- ErP/EuP ready (ErP/EuP ready power supply is required)</li></ul>