J3455-ITX

Product Specifications

General	
Unique Feature	**ASRock Super Alloy** - High Density Glass Fabric PCB **ASRock Full Spike Protection** **ASRock Live Update & APP Shop**
CPU	- Intel® Quad-Core Processor J3455 (up to 2.3 GHz)
Memory	- Dual Channel DDR3/DDR3L Memory Technology - 2 x DDR3/DDR3L SO-DIMM Slots* - Supports DDR3/DDR3L 1866/1600/1333 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB** *2GB DRAM per module is not supported. **Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit OS. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation.
BIOS	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports Plug and Play - ACPI 5.0 compliant wake up events - Supports jumperfree - SMBIOS 3.0 support

Audio, Video and Networking	
Graphics	- Integrated Intel® HD Graphics 500: 12 EUs inside (Up to 750MHz) - DirectX 12, Pixel Shader 5.0 - Three graphics output options: D-Sub, DVI-D and HDMI - Supports Triple Monitor - Supports HDMI with max. resolution up to 4K x 2K (4096x2160) @ 60Hz - Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz - Supports Auto Lip Sync, xvYCC and HBR (High Bit Rate Audio) with HDMI Port (Compliant HDMI monitor is required) - Supports HW Accelerated Decoders: H.264 @ level 5.2, HEVC (H.265) 10b @MP level 5.1 (GPU accelerated), JPEG, VP8, VP9 - Supports HDCP with DVI-D and HDMI Ports - Supports Full HD 1080p Blu-ray (BD) playback with DVI-D and HDMI Ports
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)* - Premium Blu-ray Audio support - Supports Surge Protection (ASRock Full Spike Protection) - ELNA Audio Caps *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.
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111GR - Supports Wake-On-WAN - Supports Wake-On-LAN - Supports Lightning/ESD Protection (ASRock Full Spike Protection) - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az - Supports PXE

Expansion / Connectivity	
Slots	- 1 x PCI Express 2.0 x1 Slot - 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT module

Storage	- 2 x SATA3 6.0 Gb/s Connectors, support NCQ, AHCI and Hot Plug - 2 x SATA3 6.0 Gb/s Connectors by ASMedia ASM1061, support NCQ, AHCI and Hot Plug
Connector	- 1 x COM Port Header - 1 x TPM Header - 1 x Chassis Intrusion and Speaker Header - 1 x CPU Fan Connector (3-pin) - 1 x Chassis Fan Connector (3-pin) - 1 x 24 pin ATX Power Connector - 1 x Front Panel Audio Connector - 2 x USB 2.0 Headers (Support 3 USB 2.0 ports) (Supports ESD Protection (ASRock Full Spike Protection)) - 1 x USB 3.0 Header (Supports 2 USB 3.0 ports) (Supports ESD Protection (ASRock Full Spike Protection))* *USB3_0_1 is shared with USB_0_1.
Rear Panel I/O	- 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x D-Sub Port - 1 x DVI-D Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 2 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) - 2 x USB 3.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jacks: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
Other Features / Miscellaneous	
Software and BIOS	**Software** - ASRock Power Gear - ASRock XFast LAN* **UEFI** - ASRock Power Gear - ASRock Instant Flash - ASRock Internet Flash - ASRock Crashless BIOS *These utilities can be downloaded from ASRock Live Update & APP Shop.
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables - 1 x Screw for M.2 Socket
Hardware Monitor	- CPU/Chassis temperature sensing - CPU/Chassis Fan Tachometer - CPU/Chassis Quiet Fan (Auto adjust chassis fan speed by CPU temperature) - CPU/Chassis Fan multi-speed control - Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore
Form Factor	- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - Solid Capacitor design
OS	- Microsoft® Windows® 10 64-bit* - Linux: Ubuntu 16.10 / Fedora 25 *For the updated Windows® 10 driver, please visit ASRock's website for details.
Certifications	- FCC, CE, WHQL - ErP/EuP ready (ErP/EuP ready power supply is required)

Caution:
Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party

overclocking tools. Overclocking may affect your system 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.

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