N7 Z390 Copy

**Product Card Description**Intel Z390 Gaming Motherboard with Wi-Fi and CAM Features **Short Description**

Intel® Z390 wireless gaming motherboard with lighting and fan control and an all-metal cover

**Description**

Leveraging more than 14 years of experience as professional PC builders, we’ve designed the latest N7 motherboard around Intel’s Z390 chipset and delivered everything you need to build a powerful, stunning gaming PC. All the essentials are included, along with built-in wireless connectivity, a digital fan controller and integrated RGB lighting channels. The all-metal motherboard cover perfectly matches the color and finish of your case, creating a visually seamless backdrop for your components.

You can’t build a quieter, better-looking system as easily as you can with the new N7 Z390 motherboard.

**N7 Z390**

*Intel Z390 Gaming Motherboard with Wi-Fi and CAM Features*

Introducing the latest N7, built around Intel Z390 chipset and supporting 9th Gen Intel CPUs. In addition to lighting and fan controls, the all-metal cover is back, and we’ve integrated wireless connectivity and Bluetooth and a rear I/O that makes installation easier than ever.

**N7 Z370**

*Intel Z370 Gaming Motherboard with CAM Features*

This N7 is built around Intel’s Z370 chipset and includes an all-metal cover for added protection, lighting and fan controls via CAM, and everything else to complete your build.

**Feature Sections**

* **SMART CONTROLS**

Everything you need is ready out of the box and elegantly controlled through CAM software. The N7 Z390 includes key features from our HUE 2 and GRID+ digital controllers allowing intuitive control for three RGB lighting channels and eight fan channels through CAM.

* **STUNNING CRAFTSMANSHIP**

Build a PC gaming system that is truly yours. The N7’s unique all-metal cover provides a clean design that blends seamlessly with your case. Additional heatsink covers available separately in glossy blue, red, and purple.

* **BUILDING THAT’S ENJOYABLE FOR EVERYONE**

Gone are the days of frustration and compromises. The N7 Z390 includes wireless connectivity and we made each port discrete, utilizing all PCI express lanes available from the CPU and chipset so everything works as intended.The N7’s layout streamlines installation with an integrated rear I/O shield and optimally placed headers for easier setup.

* **A QUIETER SYSTEM**

Our unique Adaptive Noise Reduction uses an on-board noise sensor to measure and learn the specifics of your system to find the ideal balance between fan speed and cooling. With up to a 40% reduction in fan noise level, you won’t need to waste time designing custom fan curves. Leveraging machine learning to improve its results, this will ensure your fan settings are always optimal, even if you change hardware.

**N7 Z390 Exclusive Features**

* CAM-powered features simplify setup and control of RGB lighting and fans
* HUE 2 digital RGB lighting control: advanced lighting with numerous presets and custom modes
* GRID+ digital fan control: convenient fan profiles within CAM for eight independent fan channels
* Clean customization: all-metal cover available in black and white, and heatsink covers available in a glossy blue, red, or purple finish to color coordinate any build
* Integrated rear I/O shield and efficient layout ensures straightforward and optimal setup with easy upgradeability
* Adaptive Noise Reduction optimizes cooling and noise balance for best gaming comfort

**Other Features**

* Designed with Intel® Z390 Express Chipset
* Compatible with Intel® 8th/9th Generation Core™ i9, Core™ i7, Core™ i5, and Core™ i3 processors
* Intel® Wireless-AC 9560 Gigabit\* wireless connectivity and Bluetooth V5
* Intel® Optane™ Memory Ready
* Two M.2 connectors for storage devices
* Multi-GPU support with AMD CrossFireX™ Technology
* Supports memory overclocking speeds of up to 4133+ MHz and Intel® XMP 2.0
* 8-channel high-definition audio

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| **N7 Z390** Intel Z390 ATX Motherboard | **N7 Z370** Intel Z370 ATX Motherboard |
| All-Metal Cover: Included | All-Metal Cover: Included |
| Integrated Rear I/O Shield | Standard I/O Shield |
| Fan Channels and Support: 1x for CPU fan(s), 1A 1x for AIO pump, 1A 6x for System fans, 0.5A each | Fan Channels and Support: 1 x for CPU fan(s), 1A 1 x for AIO pump, 1A  1 x for water pump, 1A 6 x for System fans, 0.5A each |
| M.2 Slots for Storage: 1x PCIe & SATA  1x PCIe | M.2 Slots for Storage: 1x PCIe & SATA  1x PCIe |
| Lighting Channels and Support: 3x for HUE 2 and HUE+ Accessories | Lighting Channels and Support: 2x for HUE+ Accessories |
| USB Ports and Headers:  4x USB 3.1 Gen 2(rear I/O [red])  2x USB 3.1 Gen 1(rear I/O [blue]  1x USB 3.1 Gen 2(USB Type-C at mid-board)  2x USB 3.1 Gen 1 (at mid-board)  6x USB 2.0 (at mid-board) | USB Ports and Headers:  4x USB 3.1 Gen1(rear I/O [blue]  5x USB 2.0 (rear I/O [black])  4x USB 3.1 Gen 1(at mid-board)  6x USB 2.0 (6 at mid-board) |
| Wireless & Bluetooth: Intel Wireless-AC 9560, Bluetooth 5V | Wireless & Bluetooth: - |

**Specifications**

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| **CPU & Socket** | LGA socket 1151 for Intel® 8th/9th Generation Core™ i9/ Core™ i7/ Core™ i5/ Core™ i3 Processors  Support Intel 14nm CPU  Support Intel Turbo Boost Technology 2.0 |
| **Chipset** | Intel® Z390 |
| **Memory** | 4 x DIMM, Max. 64GB, DDR4   * 4133 (O.C.)/ 4000(O.C.)/3866(O.C.)/ 3733(O.C.)/ 3600(O.C.)/ 3466(O.C.)/ 3400(O.C.)/ 3333(O.C.)/ 3300(O.C.)/ 3200(O.C.)/ 3000(O.C.)/ 2800(O.C.)/ 2666(O.C.)/ 2400(O.C.)/ 2133 MHz Non-ECC, Un-buffered Memory * Dual-channel memory architecture * Support Intel® Extreme Memory Profile (XMP) |
| **Integrated Graphics** | Integrated Graphics Processor- Intel® HD Graphics Support Single-graphic output support: HDMI port   * HDMI™ with max. resolution of 4096x2160@24Hz * Maximum shared memory of 1024MB (for iGPU exclusively) |
| **Multi-GPU Support** | * Supports AMD 2-Way CrossFireX™ Technology |
| **Storage** | **Intel® Z390 Chipset**   * 1 \* M.2 type 2242/2260/2280 (PCIe 3.0 x4 & SATA mode) * 1 \* M.2 type 2242/2260/2280 (PCIe 3.0 x4 mode only) * 4 \* SATA 6Gb/s ports   Support RAID 0/1/5/10  Supports Intel® Smart Response Technology  Intel® Rapid Storage Technology 15  Intel® Optane Memory Ready |
| **LAN** | Intel® I219-V Gigabit LAN |
| **Wireless** | Intel Dual Band Wireless-AC 9560   * Wi-Fi 802.11 a/b/g/n/ac * Support dual band frequency 2.4/5GHz * Supports MU-MIMO |
| **Bluetooth** | Bluetooth V5 |
| **Audio** | Realtek® ALC1220 Codec  8-Channel High Definition Audio, 32-bit /192KHz DAC |
| **USB Ports** | 4 x USB 3.1 Gen 2 ports (4 at back panel [red])  1 x USB 3.1 Gen 2 front panel port (For USB Type-C)  4 x USB 3.1 Gen 1 ports (2 at back panel [blue], 2 at mid-board)  6 x USB 2.0 ports (6 at mid-board) |
| **Expansion Slots** | * 2 \* PCIe 3.0 x16 (x16 or dual x8) * 2 \* PCIe 3.0 x4 * 1 \* PCIe 3.0 x1 |
| **Rear I/O** | * 4 \* USB 3.1 Gen 2 ports * 2 \* USB 3.1 Gen 1 ports * 1 \* HDMI™ 1.4b * 1 \* 2x2 Wireless antenna * 1 \* Clear CMOS button * 1 \* Power button * 1 \* Reset button * 1 \* BIOS post code display * 1 \* LAN (RJ45) port * 1 \* Optical S/PDIF Out port * 1 \* 5.1-Channel audio jacks |
| **Internal I/O** | * 1 \* 24-pin EATX power connector * 1 \* 8-pin ATX 12V power connector * 1 \* 4-pin CPU\_FAN connector * 1 \* 4-pin AIO\_PUMP connector * 6 \* 4-pin SYS\_FAN connectors (Support 0dB mode and up to 6W per channel) * 3 \* RGB LED connectors * 1 \* Noise sensor * 3 \* USB 2.0 header (Up to 6 USB 2.0 ports) * 1 \* USB 3.1 Gen1 header (Up to 2 USB 3.1 Gen 1 ports) * 1 \* USB 3.1 Gen2 front panel header (For USB Type-C) * 4 \* SATA 6Gb/s connectors * 1 \* M.2 Socket 3 with M Key, type 2242/2260/2280 storage device support (PCIe 3.0 x4 & SATA mode) * 1 \* M.2 Socket 3 with M Key, type 2242/2260/2280 storage device support (PCIe 3.0 x4 mode only) * 1 \* M.2 Socket 1 with E Key, (For wireless cards, supports CNVio) * 1 \* Front panel audio connector * 1 \* ROM backup button * 1 \* Dual BIOS switch |
| **Accessories** | * 1 \* User’s manual * 1 \* Installation screws set (M3 Thread) * 4 \* SATA data cables * 2 \* 2x2 wireless antenna * 3 \* 500mm LED connection cable |
| **Operating System** | Microsoft® Windows® 10 (64-bit) |
| **Form Factor** | ATX |
| **Dimensions** | 305 x 244 x 43mm |

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| **Certifications** | FCC, CE, WHQL, ErP/EuP Ready |

All other brand names are registered trademarks of their respective owners.

**System Requirements**

CAM software requires Microsoft Windows® 10 operating system.

CAM is free to download and use; some features require a valid email address, acceptance of our current Terms of Service, and an active internet connection.

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| **Warranty** | 4 Years |

**Motherboard SKUs**

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| **Model Number** | **EAN** | **UPC** |
| N7-Z39XT-W1 (w/ Wi-Fi and Matte White Cover) | 5060301694716 | 815671014412 |
| N7-Z39XT-B1 (w/ Wi-Fi and Matte Black Cover) | 5060301694723 | 815671014429 |
| ~~N7-Z39XT-B1 (w/ Matte Black Heatsink Cover)~~ | ~~5060301694730~~ | ~~815671014436~~ |

**Retail Box**

Dimension: ? x ? x ?mm

Net Weight: ? kg

Gross Weight: ? kg

**Carton Box**

**Pcs per CTN: 6 pcs**

Dimension: ? x ? x ?8mm

Net Weight: ? kg

Gross Weight: ? kg

**Heatsink Cover SKUs**

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| --- | --- | --- |
| **Model Number** | **EAN** | **UPC** |
| CV-Z37XT-W1 (Matte White Heatsink Cover) | 5060301693689 | 815671013361 |
| CV-Z37XT-B1 (Matte Black Heatsink Cover) | 5060301693696 | 815671013378 |
| CV-Z37XT-P1 (Glossy Purple Heatsink Cover) | 5060301693702 | 815671013385 |
| CV-Z37XT-U1 (Glossy Blue Heatsink Cover) | 5060301693719 | 815671013392 |
| CV-Z37XT-R1 (Glossy Red Heatsink Cover) | 5060301693726 | 815671013408 |

**Retail Box**

Dimension: 178 x 153 x 32mm

Net Weight: - kg

Gross Weight: - kg

**Carton Box**

**Pcs per CTN: 20 pcs**

Dimension: 340 x 320 x 200 mm

Net Weight: - kg

Gross Weight: - kg