

## A68N-2100K 2.0 Motherboard



- AMD E1-6010 Processor
- Supports 2 DIMM of DDR3 & DDR3L up to 16GB maximum capacity
- Supports HDMI® Connector
- Supports USB 3.2 Gen1 Port
- Supports TPM Header

### Specification

|                  |                                                                                                                                                                                                                                                                                                           |
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| CPU              | AMD E1-6010 Processor<br>(Dual core 1.35GHz,10W)                                                                                                                                                                                                                                                          |
| MEMORY           | Supports Single Channel DDR3 & DDR3L 800/ 1066/ 1333<br>2 x DDR3 & DDR3L DIMM Memory Slot, Max. Supports up to 16 GB Memory<br>Each DIMM supports non-ECC 512MB/ 1/ 2/ 4/ 8 GB DDR3 & DDR3L module<br>*Please refer to <a href="http://www.biostar.com.tw">www.biostar.com.tw</a> for Memory support list |
| INTEGRATED VIDEO | AMD Radeon™ R2 Graphics<br>Supports HDCP                                                                                                                                                                                                                                                                  |
| STORAGE          | 2 x SATA III Connectors (6Gb/s) : Supports AHCI                                                                                                                                                                                                                                                           |
| LAN              | Realtek RTL 8111H<br>10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability                                                                                                                                                                                                                   |
| AUDIO CODEC      | ALC887/ALC897<br>7.1 Channels, High Definition Audio                                                                                                                                                                                                                                                      |
| USB              | 2 x USB 3.2 (Gen1) ports (2 on rear I/Os)<br>6 x USB 2.0 ports (2 on rear I/Os and 4 via internal headers)                                                                                                                                                                                                |
| EXPANSION SLOT   | 1 x PCIe 2.0 x16 Slot (x4)                                                                                                                                                                                                                                                                                |
| REAR I/O         | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>2 x USB 3.1 Gen1 Ports<br>2 x USB 2.0 Port<br>1 x HDMI® Port<br>1 x VGA Port<br>1 x LAN Port<br>3 x Audio Jacks                                                                                                                                                    |



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| INTERNAL I/O    | 2 x SATA III 6.0Gb/s Connectors<br>2 x USB 2.0 Header (each header supports 2 USB 2.0 ports)<br>1 x 4-Pin Power Connector<br>1 x 24-Pin Power Connector<br>1 x CPU Fan Connector<br>1 x System Fan Connector<br>1 x Front Panel Header<br>1 x Front Audio Header<br>1 x Clear CMOS Header<br>1 x COM Port Header<br>1 x Printer Port Header<br>1 x S/PDIF out Connector<br>1 x TPM Header |
| H/W MONITORING  | CPU / System Temperature Monitoring<br>CPU / System Fan Monitoring<br>Smart / Manual CPU Fan Control                                                                                                                                                                                                                                                                                      |
| DIMENSION       | Mini ITX Form Factor Dimension: 17 cm x 17 cm ( W x L )                                                                                                                                                                                                                                                                                                                                   |
| OS SUPPORT      | Supports Windows 7 /10<br>※Biostar reserves the right to add or remove support for any OS with or without notice.                                                                                                                                                                                                                                                                         |
| BUNDLE SOFTWARE | BullGuard<br>Smart Speed LAN                                                                                                                                                                                                                                                                                                                                                              |
| ACCESSORIES     | 2 x SATA Cable<br>1 x I/O Shield<br>1 x DVD Driver<br>1 x Quick Guide                                                                                                                                                                                                                                                                                                                     |
| FEATURES        | Supports 100% Solid capacitor<br>BIO-FLASHER                                                                                                                                                                                                                                                                                                                                              |

## OVERVIEW

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|  | <b>AMD E1-6010</b><br>AMD E1-6010 APU with Radeon R2 Graphics                                                                                                                                                                                                                                                                |
|  | <b>HD Audio</b><br>Provides high quality sound with minimal loss of audio fidelity.                                                                                                                                                                                                                                          |
|  | <b>S/P DIF Output on board</b><br>Onboard Optical & Coaxial connector supports your desktop in transferring the non-distortion digital audio output to the AV amplifier and professional speaker system.                                                                                                                     |
|  | <b>HDMI® 4K2K</b><br>The new 4K2K resolution enables high-definition image display with four times the resolution of full HD, 4K2K display is faithfully express bright, highly detailed content that fills the entire screen with lifelike images. Connectivity with PCs via a single HDMI® cable for displaying 4K2K data. |

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|    | <h3>DX11.1</h3> <p>Direct3D 11.1 enables Direct3D 10 APIs and Direct3D 11 APIs to use one underlying rendering device. And it allows developers to achieve a high speed, fully conformant software rasterizer.</p>                                                                                      |
|    | <h3>SATAIII 6Gbps</h3> <p>SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.</p>                                                                            |
|    | <h3>USB 3.2 Gen1 Type-A</h3> <p>USB 3.2 Gen1 delivers a compelling performance boosts and can be used to connect multiple devices without worrying about compatibility. It is capable of data transfer speeds up to 5Gbps and backwards compatible with all existing USB products.</p>                  |
|    | <h3>100% Solid Caps</h3> <p>With armor-plated Biostar Technology, all capacitors are placed with 100% solid capacitors that have a lasting life cycle, durability and stability for crucial components.</p>                                                                                             |
|   | <h3>UEFI BIOS</h3> <p>Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons leads users into the setup layer directly.</p> |
|  | <h3>BIO-Flasher</h3> <p>BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.</p>              |
|  | <h3>HDMI®</h3> <p>The terms HDMI® and HDMI® High-Definition Multimedia Interface, and the HDMI® Logo are trademarks or registered trademarks of HDMI® Licensing Administrator, Inc. in the United States and other countries.</p>                                                                       |

**\*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!**