

## A68N-5600 Motherboard



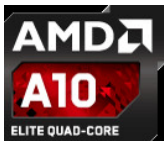
- On board AMD A10-4655(Quad core 2.0G, turbo 2.8G) processor
- AMD A68H Chipset
- Support 2 DIMM of DDR3 1333MHz up to 32G maximum capacity
- Support USB 3.0
- Mini ITX (17\*17cm ) for flexible use

### Specification

|                  |                                                                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU              | AMD A10-4655(Quad core 2.0G, turbo 2.8G) Processor                                                                                                                                   |
| MEMORY           | Support Dual Channel DDR3 1333 MHz<br>2 x DDR3 DIMM Memory Slot<br>Max. Supports up to 32GB Memory                                                                                   |
| INTEGRATED VIDEO | AMD Radeon™ HD7620G Graphics<br>Supports DX11.1<br>Supports HDCP                                                                                                                     |
| STORAGE          | 4 x SATA III Connector<br>Support SATA RAID: 0,1,10                                                                                                                                  |
| LAN              | Realtek RTL8111H - 10/100/1000Mb/s Controller<br>Support Super LAN Surge Protection                                                                                                  |
| AUDIO CODEC      | Realtek ALC887 8-Channel HD Audio                                                                                                                                                    |
| USB              | 2 x USB 3.0 Port<br>2 x USB 2.0 Port<br>2 x USB 2.0 Header                                                                                                                           |
| EXPANSION SLOT   | 1 x PCI-E 2.0 x16 Slot(x8)                                                                                                                                                           |
| REAR I/O         | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>2 x USB 3.0 Port<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                                     |
| INTERNAL I/O     | 2 x USB 2.0 Header<br>4 x SATA III Connector (6Gb/s)<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x CPU Fan Connector<br>1 x System Fan Connector<br>1 x COM Port Header |

|                 |                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|
| H/W MONITORING  | CPU / System Temperature Monitoring<br>CPU / System Fan Monitoring<br>Smart / Manual CPU Fan Control<br>System Voltage Monitoring |
| DIMENSION       | Mini ITX Form Factor Dimension: 17cm x 17cm ( W x L )                                                                             |
| OS SUPPORT      | Supports Windows 7 / 8 / 8.1 / 10                                                                                                 |
| 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 Solid capacitor<br>BIO-FLASHER<br>Supports Charger Booster<br>Supports BIOS Online Update                                |

## OVERVIEW

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|   | <b>AMD A68H chipset</b><br>AMD® A68H chipset is designed to support up to 5GT/s interface speed and PCI Express™ 3.0/2.0 graphics. It natively supports SATA 6Gb/s ports and USB 3.0 Ports.                                                                                                                                                                                                        |
|  | <b>AMD Fusion APU A10-4655 Quad-Core Processor</b><br>This motherboard supports integrated AMD Quad-Core Processor A10-4655 with AMD Radeon™ HD 7620G Graphics. This revolutionary APU (Accelerated Processing Unit) combines processing power and advanced DirectX 11 graphics in one small, energy-efficient design to enable accelerated performance and an industry-leading visual experience. |
|  | <b>HD Audio</b><br>Provides high quality sound with minimal loss of audio fidelity.                                                                                                                                                                                                                                                                                                                |
|  | <b>DX11.1</b><br>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.                                                                                                                                                                                       |
|  | <b>USB 3.0</b><br>Experience Fastest data transfers at 5 Gbps with USB 3.0--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and backward compatible with previous USB 2.0 components.                                                                                                             |
|  | <b>Moistureproof of PCB</b><br>The popularity of PC usage and working environment is getting deteriorating and moist (rural, coastal, etc.). The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moisture-proof PCB meets high density and high reliability requirements for moisture proof.                 |

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|    | <h3>Low RdsOn P-Pak MOS</h3> <p>Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.</p>                                                                                                                                                                                                                                                                     |
|    | <h3>Super Anti-Surge Protection</h3> <p>BIOSTAR exclusive Anti-Surge design provides the best protection of board and extends the product life. Having the latest model of "Transient Voltage Suppressor" on-board can effectively protect the board circuit, reducing the shocks caused by ESD as well as other damages arising from overvoltage transients to enhance system durability.</p>                                                      |
|    | <h3>Super LAN Surge Protection</h3> <p>Super LAN Surge Protection, providing LAN port with more advanced antistatic protection capabilities by adding an integrated chip to strengthen electrical stability and prevent damage from lightning strikes and electrical surges. SLSP (Super LAN Surge Protection) series motherboard upgrades the existing system protection standards with maximum 4X protection comparing to other board makers.</p> |
|    | <h3>ESD Protection</h3> <p>ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.</p>                                                                                       |
|   | <h3>USB Polyswitch</h3> <p>On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safe guard your system and device lifespan.</p>                                                                                                                                                                                                                                                                     |
|  | <h3>OC / OV / OH Protection</h3> <p>OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.</p>                                                                                                                                                                                                             |
|  | <h3>Header Zone</h3> <p>Users can easily assemble their own computer, a simple-swap data discs and other accessories.</p>                                                                                                                                                                                                                                                                                                                           |

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