

## N3050NH Motherboard



- On board Intel Celeron N3050 Dual-core 1.6G turbo boost up to 2.16G
- Supports 2 SO-DIMM of DDR3L 1600/1066MHz up to 16G maximum capacity
- Intel HD Graphics
- Mini ITX (17\*17cm ) for flexible use
- Supports BIO-Remote 2 Technology
- Supports Charger Booster Technology

## N3050NH Specification

CPU	Intel® Celeron N3050 Dual-core 1.6G turbo boost up to 2.16G
MEMORY	Support Dual Channel DDR3L 1600/1066 MHz 2 x DDR3 SO-DIMM Memory Slot Max. Supports up to 8GB Memory for DDR3L-1600 OR 16GB Memory for DDR3L-1066 *The DIMM must be installed to DIMMA1 slot first.
INTEGRATED VIDEO	Intel HD Graphics Supports DX11.1 Supports HDCP
STORAGE	2 x SATA III Connector
LAN	Realtek RTL8111H - 10/100/1000Mb/s Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	2 x USB 3.0 Port 1 x USB 3.0 Header 2 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	1 x PCI-E 2.0 x1 Slot

REAR I/O	<ul style="list-style-type: none"> <li>1 x PS/2 Mouse</li> <li>1 x PS/2 Keyboard</li> <li>2 x USB 3.0 Port</li> <li>2 x USB 2.0 Port</li> <li>1 x HDMI Connector</li> <li>1 x VGA Port</li> <li>1 x LAN Port</li> <li>3 x Audio Jacks</li> </ul>
INTERNAL I/O	<ul style="list-style-type: none"> <li>1 x USB 3.0 Header</li> <li>2 x USB 2.0 Header</li> <li>2 x SATA III Connector (6Gb/s)</li> <li>1 x Front Audio Header</li> <li>1 x Front Panel Header</li> <li>2 x System Fan Connector</li> <li>1 x COM Port Header</li> <li>1 x Printer Port Header</li> </ul>
H/W MONITORING	<ul style="list-style-type: none"> <li>CPU / System Temperature Monitoring</li> <li>System Fan Monitoring</li> <li>System Voltage Monitoring</li> </ul>
DIMENSION	Mini ITX Form Factor Dimension: 17cm x 17cm ( W x L )
OS SUPPORT	Supports Windows 7(x64) / 8.1(x64) / 10
BUNDLE SOFTWARE	<ul style="list-style-type: none"> <li>BullGuard</li> <li>BIO-Remote2</li> <li>Smart Speed LAN</li> </ul>
ACCESSORIES	<ul style="list-style-type: none"> <li>2 x SATA Cable</li> <li>1 x I/O Shield</li> <li>1 x DVD Driver</li> <li>1 x Quick Guide</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>Supports Solid capacitor</li> <li>BIO-FLASHER</li> <li>Supports Charger Booster</li> <li>Supports BIOS Online Update</li> </ul>

## N3050NH OVERVIEW

### CPU-Chipset



## Intel Celeron N3050 Dual Core processor

The Intel® Celeron N3050(2M Cache, up to 2.16 GHz) is a dual-core processor. The Processor base Frequency from 1.6GHz to 2.16GHz Burst Frequency. The maximum GPU frequency was also increased on the N3050 to 600 MHz, while the base GPU speed stayed at 320 MHz. It supports DDR3L-1600 memory and fit into 6 Watt thermal envelope.

### Audio+



## HD Audio

Provides high quality sound with minimal loss of audio fidelity.

### Video+



## DX11.1

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.

### Speed+



## SmartSpeedLAN

SmartSpeedLAN is a free software application which monitors and manages your PC's network behavior. With user-friendly GUI, it allows you to select and prioritize different types of network traffic, including gaming, media streaming, communications or web surfing. You can also set any specific applications, choosing to prioritize or block accordingly. SmartSpeedLAN can feature automatic management options that use adaptive networking intelligence to ensure that you are getting the best online experience possible.



## USB 3.0

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.



## Charger Booster

Charger booster is the best and efficient charger solution for apple devices such as iPad, iPhone. Basically, Charger booster Technology is able to boost the charging time to be more efficiency and faster once any apple goods connecting to our Motherboard. With charger booster technology, you are able to charge your apple devices up to 42 % faster.

## Durable+



## Moistureproof of PCB

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.



## Low RdsOn P-Pak MOS

Low resistance design can significantly reduce the current out of energy loss. Low temperature, small size, excellent thermal conductivity.

## Protection+



## ESD Protection

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.



## USB Polyswitch

On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safe guard your system and device lifespan.



## OC / OV / OH Protection

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.

DIY+



## Header Zone

Users can easily assemble their own computer, a simple-swap data discs and other accessories.



## BIO-Remote 2

BIO-Remote2 Technology is featuring users a better Home Theater environment. Users who own either Android mobile or Apple goods are able to access and control your PC remotely; At this moment, you're smart device became a intelligent and functional remote controller; more than that, BIO-Remote2 also includes both function of mouse pad and power point presentation mode.

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