

**N3700T**  
**N3050T R2.0**



# Motherboard

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# Safety information

## Electrical safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before you add a device.
- Before connecting or removing signal cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adapter or extension cord. These devices could interrupt the grounding circuit.
- Ensure that your power supply is set to the correct voltage in your area. If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.

## Operation safety

- Before installing the motherboard and adding components, carefully read all the manuals that came with the package.
- Before using the product, ensure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may be exposed to moisture.
- Place the product on a stable surface.
- If you encounter technical problems with the product, contact a qualified service technician or your retailer.

## About this guide

This user guide contains the information you need when installing and configuring the motherboard.

## How this guide is organized

This guide contains the following parts:

- **Chapter 1: Product introduction**  
This chapter describes the features of the motherboard and the new technology it supports. It includes descriptions of the switches, jumpers, and connectors on the motherboard.
- **Chapter 2: BIOS information**  
This chapter discusses changing system settings through the BIOS Setup menus. Detailed descriptions for the BIOS parameters are also provided.

## Where to find more information

Refer to the following sources for additional information and for product and software updates.

### 1. ASUS websites

The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.

### 2. Optional documentation

Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

## Conventions used in this guide

To ensure that you perform certain tasks properly, take note of the following symbols used throughout this manual.



**DANGER/WARNING:** Information to prevent injury to yourself when completing a task.



**CAUTION:** Information to prevent damage to the components when completing a task.



**IMPORTANT:** Instructions that you **MUST** follow to complete a task.



**NOTE:** Tips and additional information to help you complete a task.

## Typography

**Bold text**

Indicates a menu or an item to select.

*Italics*

Used to emphasize a word or a phrase.

<Key>

Keys enclosed in the less-than and greater-than sign means that you must press the enclosed key.

Example: <Enter> means that you must press the Enter or Return key.

<Key1> + <Key2> + <Key3>

If you must press two or more keys simultaneously, the key names are linked with a plus sign (+).

# Package contents

Check your motherboard package for the following items.

<b>Motherboard</b>	ASUS N3700T / N3050T R2.0 motherboard
<b>Cables</b>	2 x Serial ATA 6.0 Gb/s cables 1 x SATA power cable
<b>Accessories</b>	1 x I/O Shield 1 x Mini PCIe screw package Thin Mini ITX I/O Shield
<b>Documentation</b>	User Guide



If any of the above items is damaged or missing, contact your retailer.

## N3700T / N3050T R2.0 specifications summary

Specifications		N3050T R2.0	N3700T
<b>CPU</b>	Intel® Celeron® Dual-Core N3050 SoC onboard processor	√	
	Intel® Pentium® Quad-Core N3700 SoC onboard processor		√
<b>Memory</b>	2 x SO-DIMM DDR3 1600/1066 MHz, maximum 8 GB, non-ECC, un-buffered memory support both 1.35V DDR3L and 1.5V DDR3		
	Dual-channel memory architecture * Refer to <a href="http://www.asus.com">www.asus.com</a> for the Memory QVL (Qualified Vendors List).	√	√
<b>Expansion slots</b>	1 x mini PCIe (full length, with mSATA support)*	√	√
	1 x mini PCIe (half length)		
<b>Graphics</b>	Integrated graphics processor - Intel® HD Graphics support		
	Multi-VGA output support: HDMI, D-Sub, LVDS - Supports HDMI with maximum resolution of 3840 x 2160 @ 30Hz - Supports D-Sub with maximum resolution of 1920 x 1200 @ 60Hz - Supports LVDS with maximum resolution of 1920 x 1200 @ 60Hz	√	√
	Maximum shared memory of 512 MB		
<b>Storage</b>	Intel® Celeron® Dual-Core N3050 SoC onboard Processor - 1 x mSATA connector* - 2 x SATA 6.0 Gb/s connectors	√	
	Intel® Pentium® Quad-Core N3700 SoC onboard Processor - 1 x mSATA connector* - 2 x SATA 6.0 Gb/s connectors * mSATA shares the same slot with the full-length mini-PCIe card. mSATA shares the same bandwidth with SATA6G_2 slot. When a device is installed on the SATA6G_2 slot, the mSATA device is disabled.		√

(continued on the next page)

## N3700T / N3050T R2.0 specifications summary

Specifications		N3050T R2.0	N3700T
<b>LAN</b>	Realtek® RTL8111H, 1 x Gigabit LAN Controller	√	√
<b>USB</b>	Intel® Celeron® Dual-Core N3050 SoC onboard Processor - 4 x USB 3.0 / 2.0 ports (4 ports at the rear panel)	√	
	Intel® Pentium® Quad-Core N3700 SoC onboard Processor - 4 x USB 3.0 / 2.0 ports (4 ports at the rear panel)		√
	GL852G USB Hub - 5 x USB 2.0 ports (5 ports at mid-board)	√	√
<b>Audio</b>	Realtek® ALC887-VD2 8-channel High Definition Audio CODEC - Supports jack-detection, and front panel jack-retasking	√	√
<b>ASUS unique features</b>	<b>ASUS 5X PROTECTION</b> - ASUS LANGuard - Advanced LAN protection - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating		
	<b>ASUS Exclusive Features</b> - ASUS AI Charger - ASUS AI Suite 3 - ASUS USB3.0 Boost		
	<b>ASUS Quiet Thermal Solution</b> - ASUS Fan Xpert	√	√
	<b>One Stop Control</b>		
	<b>AI Suite 3</b>		
	<b>Push Notice</b> - Monitor your PC status with smart devices in real time		
	<b>Mobo Connect</b>		
	<b>Media Streamer</b> - Pipe music or movies from your PC to a smart TV - Media Streamer app for portable smartphone/tablet, supporting iOS7 and Android 4.0 system		
	<b>100% All High-quality Conductive Polymer Capacitors</b>		

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# N3700T / N3050T R2.0 specifications summary

Specifications	N3050T R2.0	N3700T
<b>Rear panel I/O ports</b> 1 x DC power connector* 1 x HDMI port 1 x D-Sub port 4 x USB 3.0/2.0 ports 1 x Gigabit LAN (RJ-45) port 2 x Audio jacks * Connector Dimension: 5.5 x 2.5mm, Supports both 19V and 12V DC input.	√	√
<b>Internal connectors</b> 3 x USB 2.0 connectors support additional 5 USB 2.0 ports 2 x SATA 6.0Gb/s connectors 1 x mSATA connector 1 x CPU Fan connector (4pin) 1 x Chassis Fan connector (4pin) 1 x Speaker header (4-1 pin) 1 x Front panel audio connector 1 x TPM connector (14-1 pin) 1 x LVDS connector (40pin) 1 x System Panel connector 1 x Chassis intrusion connector 1 x COM header <b>Connectors for AIO System</b> 1 x 2-pin internal DC power connector 1 x SATA power connector 1 x Stereo speaker connector 1 x DMIC header <b>Connectors for Flat Panel Display</b> 1 x Display panel backlight power selector 1 x Flat panel display brightness connector 1 x Display panel VCC power selector 1 x LCD panel monitor switch header	√	√
<b>BIOS features</b> 64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.8, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 3, ASUS CrashFree BIOS3, My Favorites, Quick Note, Last Modified Log, F12 PrintScreen, F3 Shortcut functions and ASUS DRAM SPD (Serial Presence Detect) memory information	√	√

(continued on the next page)



# N3700T / N3050T R2.0 specifications summary

Specifications		N3050T R2.0	N3700T
Manageability	WfM 2.0, DMI 2.0, WOL by PME, PXE	√	√
Support DVD	Drivers ASUS utilities EZ Update Anti-virus software (OEM version)	√	√
OS support	Windows® 10 (64-bit) Windows® 8.1 (64-bit) Windows® 7 (64-bit)	√	√
Form factor	Thin Mini-ITX Form Factor, 6.7 in x 6.7 in ( 17.0 cm x 17.0 cm )	√	√



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Specifications are subject to change without notice.

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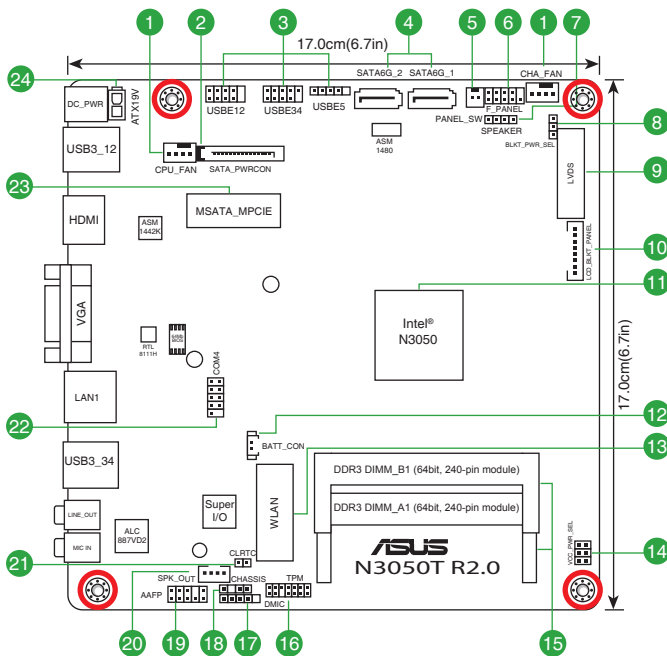
# Product introduction

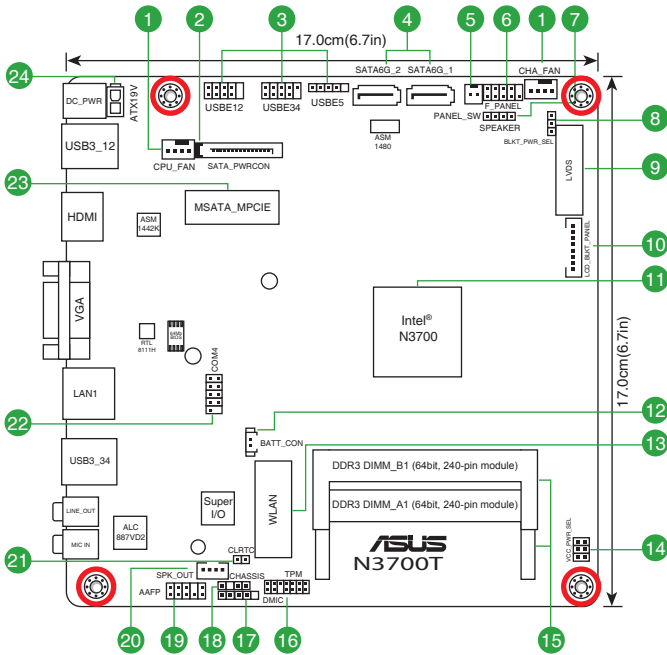
# 1

## Motherboard overview



- Unplug the power cord from the wall socket before touching any component.
- Before handling components, use a grounded wrist strap or touch a safely grounded object or a metal object, such as the power supply case, to avoid damaging them due to static electricity.
- Before you install or remove any component, ensure that the ATX power supply is switched off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the motherboard, peripherals, or components.
- Unplug the power cord before installing or removing the motherboard. Failure to do so can cause you physical injury and damage to motherboard components.





Scan the QR code to get the detailed pin definitions.



### 1 CPU and chassis fan connectors (4-pin CPU\_FAN, 4-pin CHA\_FAN)

Connect the fan cables to the fan connectors on the motherboard, ensuring that the black wire of each cable matches the ground pin of the connector.



Do not forget to connect the fan cables to the fan connectors. Insufficient air flow inside the system may damage the motherboard components. These are not jumpers! Do not place jumper caps on the fan connectors! The CPU\_FAN connector supports a CPU fan of maximum 1A (12 W) fan power.

### 2 SATA power connector (15-pin SATA\_PWRCON)

This connector is for the SATA power cable. The power cable plug is designed to fit this connector in only one orientation. Find the proper orientation and push down firmly until the connector completely fit. To provide power to your SATA device, connect the SATA power cable to this connector

3

**USB 2.0 connectors (USBE1~5)**

Connect the USB module cable to these connectors, then install the module to a slot opening at the back of the system chassis. These USB connectors comply with USB 2.0 specifications and support up to 480Mbps connection speed.

4

**Serial ATA 6.0Gb/s connectors (SATA6G\_1/2)**

These connectors connect to Serial ATA 6.0 Gb/s hard disk drives via Serial ATA 6.0 Gb/s signal cables.



When using hot-plug and NCQ, set the **SATA Mode Selection** item in the BIOS to [AHCI].

5

**LCD panel monitor switch header (2-pin PANEL\_SW)**

This 2-pin header is for connecting a monitor switch that can turn off the LCD panel display backlight.

6

**System panel connector (10-1 pin F\_PANEL)**

This connector supports several chassis-mounted functions.

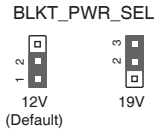
7

**Speaker connector (4-pin SPEAKER)**

This 4-pin connector is for the chassis-mounted system warning speaker. The speaker allows you to hear system beeps and warnings.

8

**Display panel backlight power selector (3-pin BLKT\_PWR\_SEL)**



Pins	Setting
1-2 (Default)	12V
2-3	19V

9

**LVDS connector**

This connector is for an LCD monitor that supports Low-voltage Differential Signaling (LVDS) interface.

10

**Flat panel display brightness connector (8-pin LCD\_BLK\_PANEL)**

This connector is for the LCD panel backlight and brightness controls. It enables the LCD panel backlight, provides backlight control signals, and provides brightness control signals for the brightness button on the front panel.

11

**Intel® Pentium® Quad-core N3700 Processor**

The motherboard comes with an onboard Intel® Pentium® Quad-core processor.

**Intel® Celeron® Dual-core N3050 Processor**

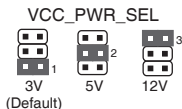
The motherboard comes with an onboard Intel® Celeron® Dual-core processor.

## 12 RTC Battery header (2-pin BATT\_CON)

This connector is for the lithium CMOS battery.

## 13 WLAN module slot (WLAN)

## 14 Display panel VCC power selector (VCC\_PWR\_SEL)



Pins	Setting
1 (Default)	3V
2	5V
3	12V

## 15 DDR3 DIMM slots

Install 2 GB, 4 GB, and 8 GB unbuffered non-ECC DDR3 DIMMs into these DIMM sockets.

## 16 TPM connector (14-1 pin TPM)

This connector supports a Trusted Platform Module (TPM) system, which can securely store keys, digital certificates, passwords and data. A TPM system also helps enhance network security, protects digital identities, and ensures platform integrity.

## 17 DMIC connector (4-pin DMIC)

The DMIC connector is for connecting the digital microphone module used in All-in-One chassis.

## 18 Chassis intrusion header (4-1 pin CHASSIS)

This header is for a chassis-mounted intrusion detection sensor or switch. Connect one end of the chassis intrusion sensor or switch cable to this header. The chassis intrusion sensor or switch sends a high-level signal to this header when a chassis component is removed or replaced. The signal is then generated as a chassis intrusion event.

By default, the pin labeled “Chassis Signal” and “Ground” are shorted with a jumper cap. Remove the jumper caps only when you intend to use the chassis intrusion detection feature.

## 19 Front panel audio connector (10-1 pin AAFP)

This connector is for a chassis-mounted front panel audio I/O module that supports either HD Audio or legacy AC`97 audio standard. Connect one end of the front panel audio I/O module cable to this connector



- We recommend that you connect a high-definition front panel audio module to this connector to avail of the motherboard's high-definition audio capability.
- If you want to connect a high-definition front panel audio module to this connector, set the Front Panel Type item in the BIOS setup to [HD Audio]. If you want to connect an AC`97 front panel audio module to this connector, set the item to [AC97]. By default, this connector is set to [HD Audio].

## 20 Internal stereo speaker header (4-pin SPK\_OUT)

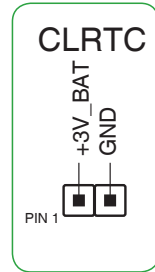
The internal stereo speaker header allows connection to an internal, low-power speaker for basic system sound capability. The subsystem is capable of driving a speaker load of 4 Ohms at 3 Watts (rms).

## 21 Clear RTC RAM (2-pin CLRRTC)

This header allows you to clear the CMOS RTC RAM data of the system setup information such as date, time, and system passwords.

### To erase the RTC RAM:

1. Turn OFF the computer and unplug the power cord.
2. Use a metal object such as a screwdriver to short the two pins.
3. Plug the power cord and turn ON the computer.
4. Hold down the <Del> key during the boot process and enter BIOS setup to re-enter data.



If the steps above do not help, remove the onboard battery and short the two pins again to clear the CMOS RTC RAM data. After clearing the CMOS, reinstall the battery.

## 22 Serial port connector (10-1 pin COM4)

Connect the serial port module cable to this connector, then install the module to a slot opening at the back of the system chassis.

## 23 mSATA/mPCIe combo slot (MSATA\_MPCIE)

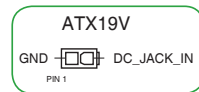
This slot allows you to install a full length mSATA or mini-PCIe card, providing you with expandability and connectivity solutions for an optimal system performance.



- mSATA shares the same slot with the full-length mini-PCIe card.
- mSATA shares the same bandwidth with SATA6G\_2 slot. When a device is installed on the SATA6G\_2 slot, the mSATA device is disabled.

## 24 Internal DC power connector (2-pin ATX19V/12V)

This connector is for an ATX power supply. The plug from the power supply is designed to fit this connector in only one orientation. Find the proper orientation and push down firmly until the connector completely fits.



This connector supports 12V and 19V by models. Refer to the specification sheet of the model for details.

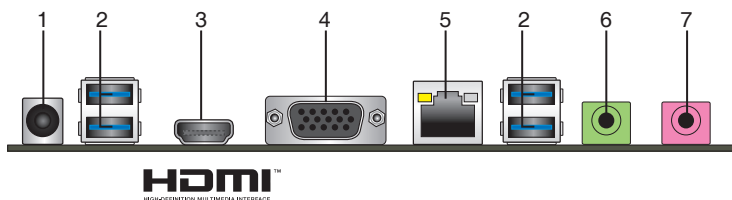
## IRQ assignments for this motherboard

	A	B	C	D	E	F	G	H
WLAN	shared	-	-	-	-	-	-	-
Mini-PCIe	-	-	shared	-	-	-	-	-
Realtek 8111H Controller	-	shared	-	-	-	-	-	-
XHCI Controller	-	-	-	-	shared	-	-	-
HD Audio Controller	-	-	-	-	-	-	shared	-
SATA Controller	-	-	-	shared	-	-	-	-



When using PCI cards on shared slots, ensure that the drivers support "Share IRQ" or that the cards do not need IRQ assignments. Otherwise, conflicts will arise between the two PCI groups, making the system unstable and the card inoperable.

## Rear panel connectors



1. **DC power connector.** Insert the power adapter into this port.



- **Connector Dimension:** 5.5 x 2.5mm. It can support both 19V and 12V DC input.
- The power adapter is purchased separately.

2. **USB 3.0 ports.** These 9-pin Universal Serial Bus (USB) ports are for USB 3.0 / 2.0 devices.

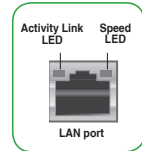


- USB 3.0 devices can only be used for data storage.
- We strongly recommend that you connect USB 3.0 devices to USB 3.0 ports for faster and better performance from your USB 3.0 devices.
- Due to the design of the Intel® 100 series chipset, all USB devices connected to the USB 2.0 and USB 3.0 ports are controlled by the xHCI controller. Some legacy USB devices must update their firmware for better compatibility.

3. **HDMI port.** This port is for a High-Definition Multimedia Interface (HDMI) connector, and is HDCP compliant allowing playback of HD DVD, Blu-Ray, and other protected content.
4. **Video Graphics Adapter (VGA) port.** This 15-pin port is for a VGA monitor or other VGA-compatible devices.
5. **LAN (RJ-45) port.** This port allows Gigabit connection to a Local Area Network (LAN) through a network hub.

#### LAN port LED indications

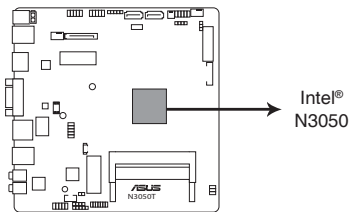
Activity/Link LED		Speed LED	
Status	Description	Status	Description
Off	No link	OFF	10Mbps connection
Orange	Linked	ORANGE	100Mbps connection
Orange (Blinking)	Data activity	GREEN	1Gbps connection
Orange (Blinking then steady)	Ready to wake up from S5 mode	–	–



6. **Line Out port (lime).** This port connects to a headphone or a speaker.
7. **Microphone port (pink).** This port connects to a microphone.

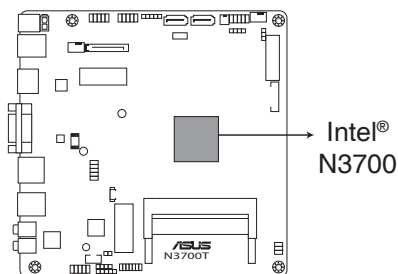
## Central Processing Unit (CPU)

The motherboard comes with an onboard Intel® Celeron® Dual-core processor.



### N3050T R2.0 CPU socket Intel® N3050



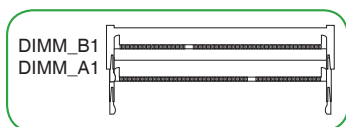


## N3700T CPU socket Intel® N3700

## System memory

### Overview

This motherboard comes with two Double Data Rate 3 (DDR3) Small Outline Dual Inline Memory Module (SO-DIMM) sockets. The figure illustrates the location of the DDR3 DIMM sockets:



Channel	Sockets
Channel A	DIMM_A1
Channel B	DIMM_B1

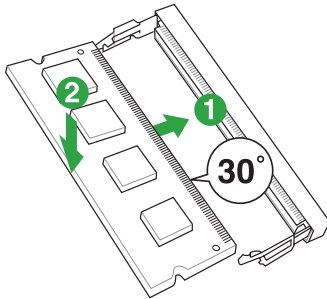


- You may install varying memory sizes in Channel A and Channel B. The system maps the total size of the lower-sized channel for the dual-channel configuration. Any excess memory from the higher-sized channel is then mapped for single-channel operation.
- Always install the DIMMS with the same CAS Latency. For an optimum compatibility, we recommend that you install memory modules of the same version or data code (D/C) from the same vendor. Check with the vendor to get the correct memory modules.
- Always install a DIMM into the DIMM\_A1 slot for the motherboard to work properly.
- This motherboard supports 1.35V DDR3L and 1.5V DDR3 DIMMs.
- Due to the memory address limitation on 32-bit Windows® OS, when you install 4GB or more memory on the motherboard, the actual usable memory for the OS can be about 3GB or less. For effective use of memory, we recommend that you do any of the following:
  - Use a maximum of 3 GB system memory if you are using a 32-bit Windows® OS.
  - Install a 64-bit Windows® OS if you want to install 4GB or more on the motherboard.
  - For more details, refer to the Microsoft® support site at <http://support.microsoft.com/kb/929605/en-us>.

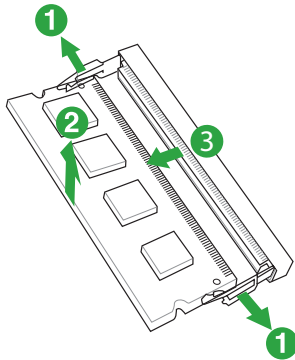


## Installing a DIMM

To install a DIMM



To remove a DIMM



# BIOS information

# 2



- Scan the QR code to view the BIOS update guide.
- Before using the ASUS CrashFree BIOS 3 utility, rename the BIOS file in the removable device into **N3700T.CAP (N3700T)** or **N305T2.CAP (N3050T R2.0)**.



## BIOS setup program

Use the BIOS Setup program to update the BIOS or configure its parameters. The BIOS screens include navigation keys and brief online help to guide you in using the BIOS Setup program.

### Entering BIOS Setup at startup

#### To enter BIOS Setup at startup:

Press <Delete> or <F2> during the Power-On Self Test (POST). If you do not press <Delete> or <F2>, POST continues with its routines.

### Entering BIOS Setup after POST

#### To enter BIOS Setup after POST:

- Press <Ctrl>+<Alt>+<Del> simultaneously.
- Press the reset button on the system chassis.
- Press the power button to turn the system off then back on. Do this option only if you failed to enter BIOS Setup using the first two options.



Using the power button, reset button, or the <Ctrl>+<Alt>+<Del> keys to force reset from a running operating system can cause damage to your data or system. We recommend you always shut down the system properly from the operating system.



- The BIOS setup screens shown in this section are for reference purposes only, and may not exactly match what you see on your screen.
- Visit the ASUS website at [www.asus.com](http://www.asus.com) to download the latest BIOS file for this motherboard.
- If the system becomes unstable after changing any BIOS setting, load the default settings to ensure system compatibility and stability. Select the **Load Optimized Defaults** item under the Exit menu or press hotkey F5.
- If the system fails to boot after changing any BIOS setting, try to clear the CMOS and reset the motherboard to the default value. See section **Motherboard overview** for information on how to erase the RTC RAM.

## BIOS menu screen

The BIOS setup program can be used under two modes: **EZ Mode** and **Advanced Mode**. Press <F7> to change between the two modes.

# EZ Mode

By default, the EZ Mode screen appears when you enter the BIOS setup program. The EZ Mode provides you an overview of the basic system information, and allows you to select the display language, system performance mode, fan profile and boot device priority. To access the Advanced Mode, click **Advanced Mode(F7)** or press <F7>.

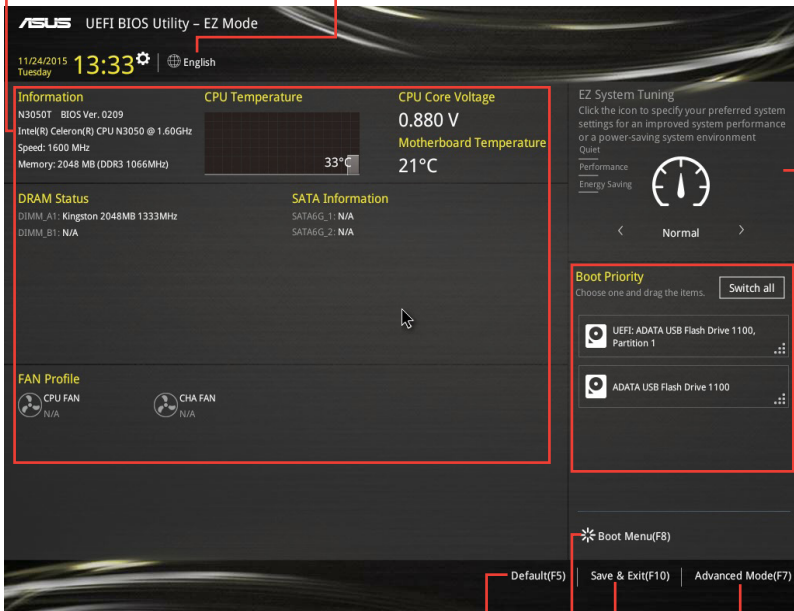


The default screen for entering the BIOS setup program can be changed. Refer to the **Setup Mode** item in **Boot menu** for details.

Displays the CPU/motherboard temperature, CPU voltage output, CPU/chassis fan speed, and SATA information

Selects the display language of the BIOS setup program

Displays the system properties of the selected mode. Click <Enter> to switch EZ System Tuning modes



Loads optimized default settings

Shows the bootable devices

Saves the changes and resets the system

Displays the Advanced mode menus

Selects the boot device priority



The boot device options vary depending on the devices you installed to the system.

# Advanced Mode

The Advanced Mode provides advanced options for experienced end-users to configure the BIOS settings. The figure below shows an example of the **Advanced Mode**. Refer to the following sections for the detailed configurations.



To access the EZ Mode, click **EzMode(F7)** or press <F7>.

The screenshot shows the ASUS UEFI BIOS Utility in Advanced Mode. The interface includes a menu bar at the top with options like My Favorites, Main, Advanced, Monitor, Boot, Tool, and Exit. A sub-menu is open for 'Intel Virtualization Technology', showing options like 'Limit CPUID Maximum' and 'Intel Virtualization Technology', both set to 'Enabled'. A 'Hardware Monitor' panel on the right displays CPU and memory specifications. The bottom of the screen shows 'Last Modified' and 'EzMode(F7)' buttons.

Labels in the image point to the following features:

- Menu bar**: Points to the top navigation bar.
- Language**: Points to the language selection icon.
- MyFavorite**: Points to the My Favorites menu item.
- Quick Note**: Points to the Quick Note menu item.
- Hot Keys**: Points to the Hot Keys menu item.
- Scroll bar**: Points to the mouse scroll bar on the right.
- Sub-menu item**: Points to 'Limit CPUID Maximum'.
- Menu items**: Points to the main menu items.
- General help**: Points to the information icon and text for Intel Virtualization Technology.
- Configuration fields**: Points to the 'Enabled' dropdown menu.
- Popup window**: Points to the information text box for Intel Virtualization Technology.
- Last modified settings**: Points to the 'Last Modified' text.
- Goes back to EZ Mode**: Points to the 'EzMode(F7)' button.
- Displays the CPU/motherboard temperature, CPU and memory voltage output**: Points to the 'Hardware Monitor' panel.

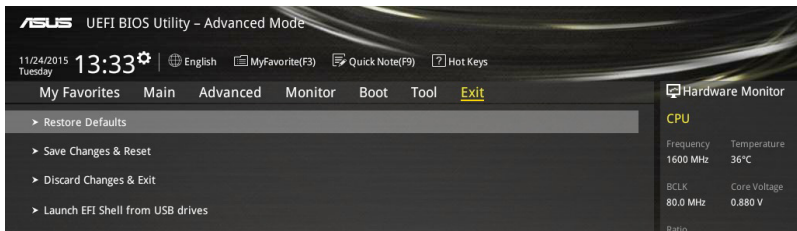
## Search on FAQ

Move your mouse over this button to show a QR code. Scan this QR code with your mobile device to connect to the ASUS BIOS FAQ web page. You can also scan the QR code below.



## Exit menu

The Exit menu items allow you to load the optimal default values for the BIOS items, and save or discard your changes to the BIOS items.



### Restore Defaults

This option allows you restore or load the default values for all the setup options. When you select this option and press <ENTER>, a confirmation window appears. Select Yes to apply the default values or press <Esc> to exit.

### Save Changes & Reset

Once you are finished making your selections, choose this option from the Exit menu to ensure the values you selected are saved. When you select this option or if you press <F10>, a confirmation window appears. Select OK to save changes and exit.

### Discard Changes and Exit

This option allows you to exit the Setup program without saving your changes. When you select this option or if you press <Esc>, a confirmation window appears. Select OK to discard changes and exit.

### Launch EFI Shell from USB drives

This option allows you to attempt to launch the EFI Shell application (shellx64.efi) from one of the available USB devices.

# Appendix

## Notices

### Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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## IC: Canadian Compliance Statement

Complies with the Canadian ICES-003 Class B specifications. This device complies with RSS 210 of Industry Canada. This Class B device meets all the requirements of the Canadian interference-causing equipment regulations.

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada. Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Cet appareil est conforme aux normes CNR exemptes de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes :

- (1) cet appareil ne doit pas provoquer d'interférences et
- (2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

## Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

## VCCI: Japan Compliance Statement

### Class B ITE

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

## KC: Korea Warning Statement

**B급 기기 (가정용 방송통신기자재)**

이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.



## REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <http://csr.asus.com/english/REACH.htm>.



DO NOT throw the motherboard in municipal waste. This product has been designed to enable proper reuse of parts and recycling. This symbol of the crossed out wheeled bin indicates that the product (electrical and electronic equipment) should not be placed in municipal waste. Check local regulations for disposal of electronic products.



DO NOT throw the mercury-containing button cell battery in municipal waste. This symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

## ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components as well as the packaging materials. Please go to <http://csr.asus.com/english/Takeback.htm> for detailed recycling information in different regions.

## Regional notice for California



**WARNING!** This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

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**English** ASUSTek Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of related Directives. Full text of EU declaration of conformity available at: [www.asus.com/support](http://www.asus.com/support)

**Français** AsusTek Computer Inc. déclare par la présente que cet appareil est conforme aux critères essentiels et autres clauses pertinentes des directives concernées. La déclaration de conformité de l'UE peut être téléchargée à partir du site Internet suivant: [www.asus.com/support](http://www.asus.com/support).

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**Italiano** ASUSTek Computer Inc. con la presente dichiara che questo dispositivo è conforme ai requisiti essenziali e alle altre disposizioni pertinenti con le direttive correlate. Il testo completo della dichiarazione di conformità UE è disponibile all'indirizzo: [www.asus.com/support](http://www.asus.com/support)

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**Български** С настоящото ASUSTek Computer Inc. декларира, че това устройство е в съответствие със съществените изисквания и другите приложими постановления на свързаните директиви. Пълният текст на декларацията за съответствие на ЕС е достъпен на адрес: [www.asus.com/support](http://www.asus.com/support)

**Hrvatski** ASUSTek Computer Inc. ovim izjavljuje da je ovaj uređaj sukladan s bitnim zahtjevima i ostalim odgovarajućim odredbama vezanih direktiva. Cijeli tekst EU izjave o skladnosti dostupan je na: [www.asus.com/support](http://www.asus.com/support)

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**Eesti** Käesolevaga kinnitab ASUSTek Computer Inc, et see seade vastab asjakohaste direktiivide olulistele nõuetele ja teistele asjassepuutuvatele sätetele. El vastavusdeklaratsiooni täielik tekst on saadaval järgmisel aadressil: [www.asus.com/support](http://www.asus.com/support)

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**Srpski** ASUSTek Computer Inc. ovim izjavljuje da je ovaj uređaj u saglasnosti sa osnovnim zahtevima i drugim relevantnijim odredbama povezanih Direktiva. Pun tekst EU deklaracije o usaglasenosti je dostupan da adres: [www.asus.com/support](http://www.asus.com/support)

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**Español** Por la presente, ASUSTek Computer Inc. declara que este dispositivo cumple los requisitos básicos y otras disposiciones pertinentes de las directivas relacionadas. El texto completo de la declaración de la UE de conformidad está disponible en: [www.asus.com/support](http://www.asus.com/support)

**Svenska** ASUSTek Computer Inc. förklarar härmed att denna enhet överensstämmer med de grundläggande kraven och andra relevanta föreskrifter i relaterade direktiv. Fulltext av EU-försäkran om överensstämmelse finns på: [www.asus.com/support](http://www.asus.com/support)

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# DECLARATION OF CONFORMITY

Per FCC Part 2, Section 2.1077(a)



Responsible Party Name: **Asus Computer International**

Address: **800 Corporate Way, Fremont, CA 94539.**

Phone/Fax No: **(510)739-3777/(510)608-4555**

hereby declares that the product

**Product Name : Motherboard**

**Model Number : N3700T**

Conforms to the following specifications:

- FCC Part 15, Subpart B, Unintentional Radiators

### Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : Steve Chang / President

Signature :

Date : Apr. 3, 2016

Ver. 140331

# DECLARATION OF CONFORMITY

Per FCC Part 2, Section 2.1077(a)



Responsible Party Name: **Asus Computer International**

Address: **800 Corporate Way, Fremont, CA 94539.**

Phone/Fax No: **(510)739-3777/(510)608-4555**

hereby declares that the product

**Product Name : Motherboard**

**Model Number : N3050T R2.0**

Conforms to the following specifications:

- FCC Part 15, Subpart B, Unintentional Radiators

### Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : Steve Chang / President

Signature :

Date : May 8, 2016

Ver. 140331