MAG-15
Quick Start Guide

In Collaboration with Intel®
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Preparing your Computer

Connect the power cord to the AC adapter then to a grounded 100-240VAC outlet.

Connect the AC adapter’s DC output plug to the DC IN jack on the back of the system.
Preparing your Computer

The display panel can be opened to a wide range of angles for optimal viewing.

⚠️ Attempting to force the lid open beyond 145 degrees will cause damage to the hinges and/or the display.

Press the power button to turn on your notebook computer.
Product Overview

A Camera Status LED
Indicator will turn blue when the camera is active

B Camera
High definition infrared camera

C Digital Microphones
Dual built-in microphones

D LCD Screen
Internal display/panel

E Mode Button
Selects operating mode when the laptop is powered on:
  - Battery Saver – Both Indicators are off
  - Balanced - Left indicator is on
  - Performance - Both indicators are on

F Power Button
Press once to turn the laptop on when it powered off or asleep. Indicator will turn on.
Press once to notify the operating system to power off the laptop or enter sleep mode.
Indicator will turn off if powered off or blink for sleep mode.

G Battery Status Indicator
Indicator will blink when charging the battery
Indicator will turn amber when the battery level is low
Indicator will turn solid when the battery is fully charged

H Keyboard
Mechanical keyboard with RBG backlight support that may be controlled through the Control Center utility

I Touchpad Enable/Disable Switch with Indicator
Double tap to enable or disable the touchpad.
Indicator will turn on when the touchpad is disabled.

J Touchpad/Clickpad
Touch-sensitive pointing device which functions like a mouse

K Caps Lock Status Indicator
Caps Lock ON: Indicator On
Caps Lock OFF: Indicator Off
Right Side

A 2 in 1 Card Reader
Support for SD/SDHC/SDXC memory cards

B USB 3.1 Gen1 Ports
Connect any USB devices into these ports, such as a USB flash drive, keyboard, or mouse

C Vents
The thermal vents are designed to cool the internal components and avoid overheating
**A** Kensington Lock  
Anti-theft key lock hole

**B** Vents  
The thermal vents are designed to cool the internal components and avoid overheating

**C** USB 3.1 Gen2 Port  
Connect any USB device into this port, such as a USB flash drive, keyboard, or mouse. This port can also be used as a charging port.

**D** Microphone Jack  
Connect a microphone into this jack

**E** Headphone Jack  
Connect amplified speakers or headphones into this jack
A **Speakers**
Stereo audio output

B **Back Cover Screws**
You can remove the screws to install or remove the SO-DIMMs and M.2 SSD cards. Modification of any other parts or components aside from the SO-DIMMs or M.2 SSD cards will void your warranty.

C **Vents**
The thermal vents are designed to cool the internal components and avoid overheating.
RGB Light Bar
May be controlled through the Control Center utility
A **Vents**
The thermal vents are designed to cool the internal components and avoid overheating.

B **Thunderbolt™ 3 Port**
Connect any USB Type C or Thunderbolt device into this port, such as a USB Flash drive or an external storage device. This port will also support displays using a Type-C to DisplayPort cable.

C **HDMI Port**
Supports high-definition digital video connections

D **Network Jack (RJ-45)**
This jack lets you connect to a Local Area Network (LAN)

E **Power Connector**
Connect the AC adapter into this connector
Understanding the Keyboard

The following defines the row of function keys which also contain a secondary hotkeys/shortcuts which can be accessed by pressing and holding down the Function Key (FN) while simultaneously pressing the desired hotkey/shortcut.
Keyboard Shortcuts

To activate these functions, press the hotkey associated with the desired function as indicated below:

- **F1**
  - **Suspend:** Press this key combination (FN + F1) to sleep

- **F2**
  - **Windows Lock:** Press this key combination (FN + F2) to lock and unlock the Windows key

- **F3**
  - **Display Mode:** Press this key combination (FN + F3) to toggle between display modes

- **F4**
  - **Airplane Mode:** Press this key combination (FN + F4) to turn Wireless and Bluetooth on or off

- **F5**
  - **Touchpad On/Off:** Press this key combination (FN + F5) to turn touchpad on or off

- **F6**
  - **Keyboard Brightness Down:** Press this key combination (FN + F6) to decrease the brightness of the keyboard backlight
Keyboard Shortcuts

**Keyboard Brightness Up:** Press this key combination (FN + F7) to increase the brightness of the keyboard backlight

**MUTE:** Press this key combination (FN + F8) to MUTE audio

**Volume Down:** Press this key combination (FN + F9) to turn the audio Volume Down

**Volume Up:** Press this key combination (FN + F10) to turn the audio Volume Up

**Brightness Down:** Press this key combination (FN + F11) to decrease the brightness of the display

**Brightness Up:** Press this key combination (FN + F12) to increase the brightness of the display
Using the Touchpad/Clickpad

The touchpad / clickpad is a rectangular electronic panel located just below your keyboard. Clicking twice within the 15mm x 15mm corner in the top left will enable or disable (lighted indicator) touchpad functionality. You can use the static-sensitive panel of the touchpad / clickpad and slide it to move the cursor. You can use the buttons below the touchpad as left and right mouse buttons.

Press the left and right bottom corners located on the bottom edge of the touchpad / clickpad to make selections and run functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad / clickpad produces similar results.
Using Control Center

Control Center is an application for customizing the laptop functionality. To launch, click the Control Center icon that is on the desktop or in the tray.

When Control Center opens it will default to the last windows accessed. Select the other available options by clicking on one of the icons on the left side of the window. Below are descriptions of the options available in each window.

**EZ Switch**

- **Keyboard Backlight:** The default is on. Click the toggle to turn the keyboard backlight off and on.
- **LED Light Bar:** The default is on. Click the toggle to turn the LED Light Bar off and on.
- **Turn Off Display:** Turns off the internal display. Touching mouse, touchpad or any key will turn the display back on.
- **Display Mode:** Select profiles for the display mode and quickly switch between them.
- **Windows Key Lock:** Select on to disable the Windows key, select off to enable the Windows key.
- **Function Key On-Screen Display:** Select on to enable the Function key, select off to disable the Function key.

**Keyboard Backlight Settings**

Use these options to set the color and behavior of the keyboard backlight. Preset modes and effects are available. Use the keyboard layout to customize the effect by individual keys are sets of keys.

- **Enable Keyboard Backlight:** The default is on. Click the toggle to turn the keyboard backlight off and on.
- **Keyboard Backlight Wizard:** This allows up to 5 different profiles to be saved for the keyboard backlight.
- **Plugged In –** Set the behavior of the keyboard backlight LEDs while the device is plugged in.
- **On Battery –** Set the behavior of the keyboard backlight LEDs while the device is on battery.
- **Effect:** - Select from a preset list of effects for the keyboard backlight or customize one. Effect settings allows adjustments for brightness, speed and direction of the keyboard backlight effect.
Using Control Center

**LED Light Bar Settings**
Use these options to set the color and behavior of the LED Light Bar.

- **Enable LED Light Bar:** The default is on. Click the toggle to turn the LED Light Bar off and on.
- **Plugged In:** Set the mode for the LED Light Bar when the power adapter is plugged in.
- **On Battery:** Set the mode for the LED Light Bar when running on battery
- **RGB Color Bars:** Use these 3 bars to adjust the color of the LED Light Bar
- **Colorful:** Check the box to disable use of the RGB sliding color bars.

**Power Settings**
Use the options to customize power and fan modes.

- **System Power Mode:** Use the options shown to set the power mode of the system
- **Fan Mode:** Use the options shown to set the fan mode.

**System Monitor**
This is an information screen only. Use it to reference system information.
Remove Back Cover

⚠️ Do not remove or replace the back cover with the power on. Always turn off the power and unplug the power cord from the system before removing or replacing the back cover. Otherwise, the system could be damaged.

To remove the back cover, remove the 10 screws securing the cover to the chassis. Be careful when removing the back cover as it can be bent very easily. Lift at the back first, then start at one of the front corners and lift gently to remove the back cover from the clips, then continue to remove the back cover from the front clips. Once the back cover is removed from the clips it can be lifted off.
Inside View

Battery

SO-DIMM Slot 1

M.2 Slot 1

M.2 Slot 2

SO-DIMM Slot 2
BIOS Security Jumper

⚠️ Do not change the jumper with the power on. Always turn off the power and unplug the power cord from the system before changing a jumper setting. Otherwise, the system could be damaged.

1-2: Normal  
2-3: Lockdown  
None: Configuration

<table>
<thead>
<tr>
<th>Function/Mode</th>
<th>Switch Setting</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>1-2</td>
<td>The BIOS uses current configuration information and passwords for booting.</td>
</tr>
</tbody>
</table>
| Lockdown       | 2-3            | The BIOS uses current configuration information and passwords for booting, except:  
  - All POST Hotkeys are suppressed (prompts are not displayed and keys are not accepted. For example, F2 for Setup, F10 for the Boot Menu).  
  BIOS updates are not available except for automatic Recovery due to flash corruption. |
| Configuration  | None           | BIOS Recovery Update process if \EFI\INTEL\QCCFL357.CAP file is found. Recovery Update can be cancelled by pressing the Esc key.  
If the Recovery Update was cancelled or \EFI\INTEL\QCCFL357.CAP file was not found, a Config Menu will be displayed. The Config Menu consists of the following options:  
[1] Suppress this menu until the BIOS Security Jumper is replaced.  
  Warning: Data encrypted with the TPM will no longer be accessible if the TPM is cleared  
[F2] BIOS Setup  
[F4] BIOS Recovery |
Install Memory

⚠️ Do not add or remove memory with the power on. Always turn off the power and unplug the power cord from the system before adding or removing memory. Otherwise, the system could be damaged.

Two slots are available for an SO-DIMM. Insert the SO-DIMM into the connector at an angle (A), then push down (B) until both latching mechanisms (C) secure the edges of the SO-DIMM. The memory modules and the corresponding SO-DIMM slots are keyed. To reduce risk of damage, please take caution to properly align the key on the memory module before fully inserting and latching into place.

Both SO-DIMM slots can be populated for higher performance dual channel memory operation.
Install Storage

⚠️ Do not add or remove storage with the power on. Always turn off the power and unplug the power cord from the system before adding or removing storage. Otherwise, the system could be damaged.

NOTE: M.2 Slot 1 will support SATA and NVMe. M.2 Slot 2 will only support NVMe.

Two slots are available for an 80mm M.2 SSD card. First, remove the screw from the threaded standoff.

Insert the M.2 card into the connector at an angle as shown. Take caution to properly align the notch on the M.2 card with the key in the connector to reduce risk of damage.

Push the M.2 card down and re-install screw into standoff to secure.
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