



INTEL® NUC SOFTWARE STUDIO

Intel® NUC M15 Laptop Kit
Intel® NUC P14E Laptop Element

User Guide

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Systems Product Group
Client Computing Group, Intel® Corporation

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Revision History

Version	Date	Description of Changes
1.0	August 2020	Initial Release for Intel® NUC M15 Laptop Kit
1.1	September 2020	Updated document: <ol style="list-style-type: none">1. Alexa LED Extension.msi installation and uninstallation removed.2. Added Performance driver installation and uninstallation.3. Intel® NUC Software Studio Status home screens updated.4. System Monitor updated as per new screen.
1.2	October 2020	Updated document: <ol style="list-style-type: none">1. Intel® NUC Software Studio - Interface chapter.2. System Monitor Settings table.3. Removed Errata as no entries yet.
1.3	October 2020	Updated document: <ol style="list-style-type: none">1. Incorporated May's comments.2. New logos added.
1.4	August 2021	<ol style="list-style-type: none">1. Added support for Intel® NUC P14E Laptop Element2. Included instructions for Service installation

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2 Introduction

2.1 Overview

The Intel® NUC Software Studio allows an end user with Intel® NUC M15 laptop kit or Intel® NUC P14E Laptop Element to monitor system settings and control and tune User Presence settings and Lightbar LED settings.

2.2 Supported Products

- Intel® NUC M15 laptop kit
- Intel® NUC P14E Laptop Element

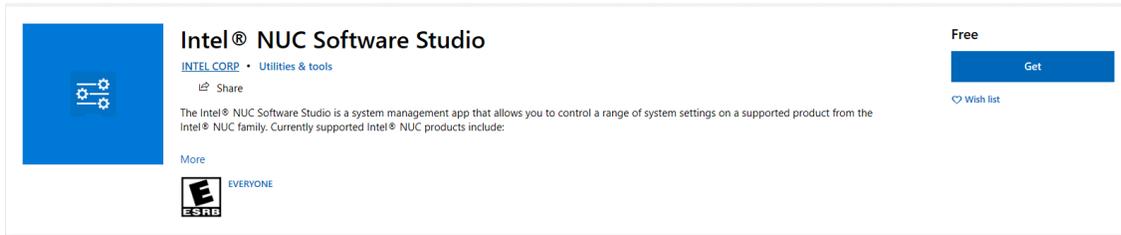
2.3 Supported Operating System

- Windows 10 version 21H1
- This application has not been testing on Windows 11.

3 Installation

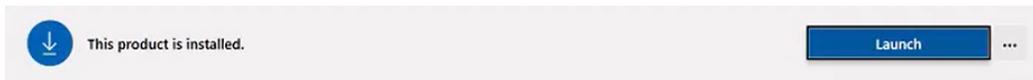
3.1 Application Installation

1. Search for **Intel® NUC Software Studio** application in the Microsoft Store.
2. Click Get.



Note: Make sure that the system OS is in the whitelist as mentioned in [Supported OS](#).

3. Once the application has been installed, you will see the following message:



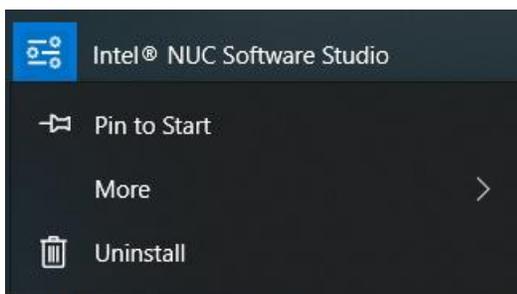
Note: If the system OS is not supported, an error message is displayed when the Launch button is clicked.

3.2 Performance Driver Installation

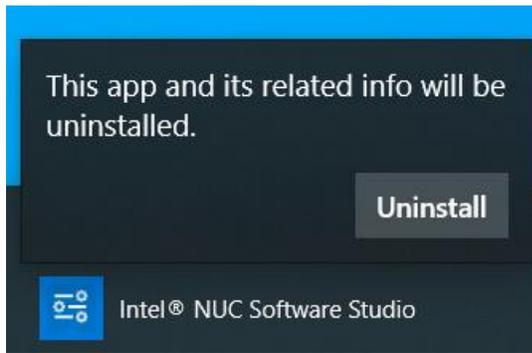
1. From Intel Download Center <https://downloadcenter.intel.com> search for 'Intel® NUC Software Studio - Performance Driver'.
2. Click Download
3. Extract the package and double click the MSI installer
4. Click Yes to restart the system

3.3 Application Uninstallation

1. Open the Windows Start Menu
2. Right Click on the Intel® NUC Software Studio icon.

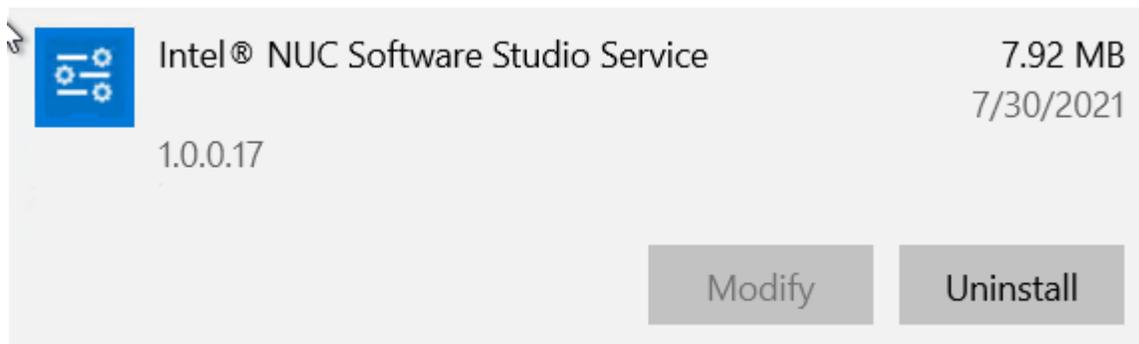


3. Choose Uninstall.



3.4 Performance Driver Uninstallation

1. From Windows Start Menu, search for 'Add or Remove Programs'
2. Under Apps and Features, locate the 'Intel® NUC Software Studio Service' and select Uninstall

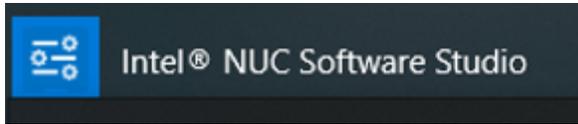


3. Click OK to restart the system

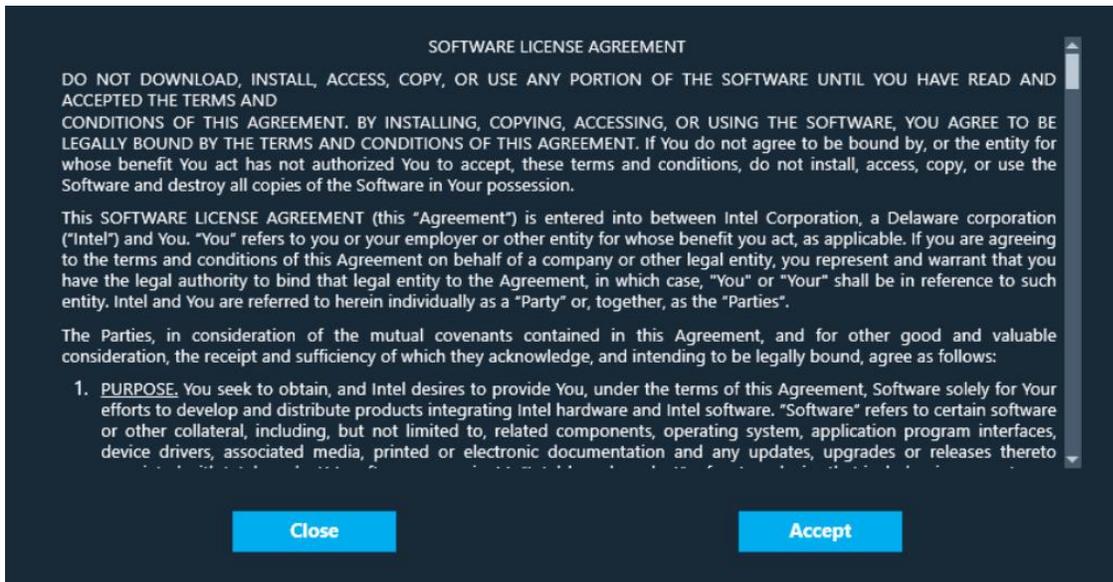
4 Intel® NUC Software Studio – Interface

4.1 Opening the Intel® NUC Software Studio

1. Click on the Windows Start menu icon
2. Select Intel® NUC Software Studio

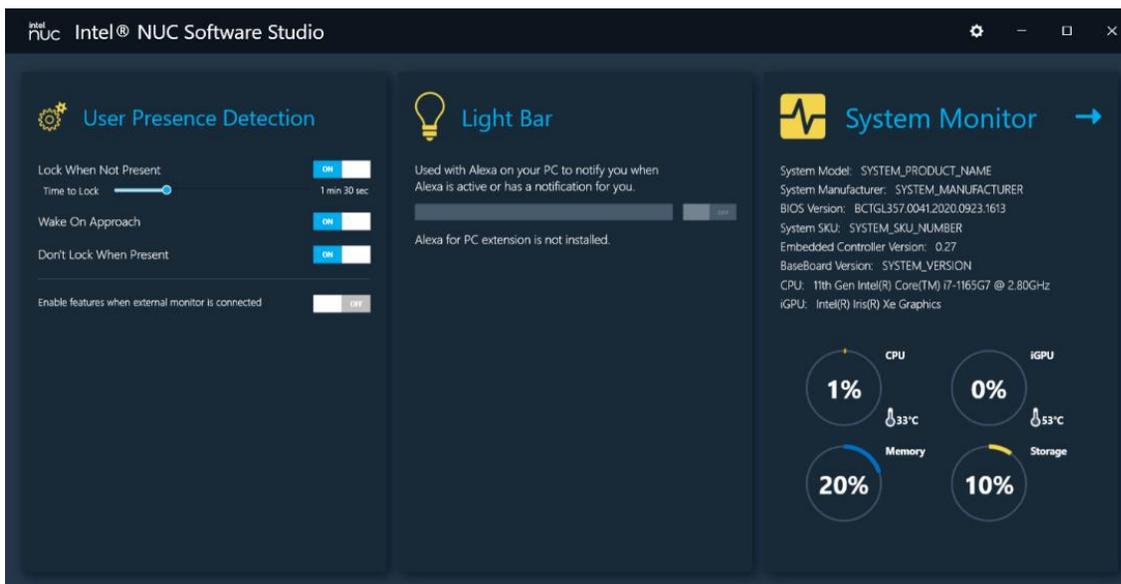


3. Accept the Software License Agreement.

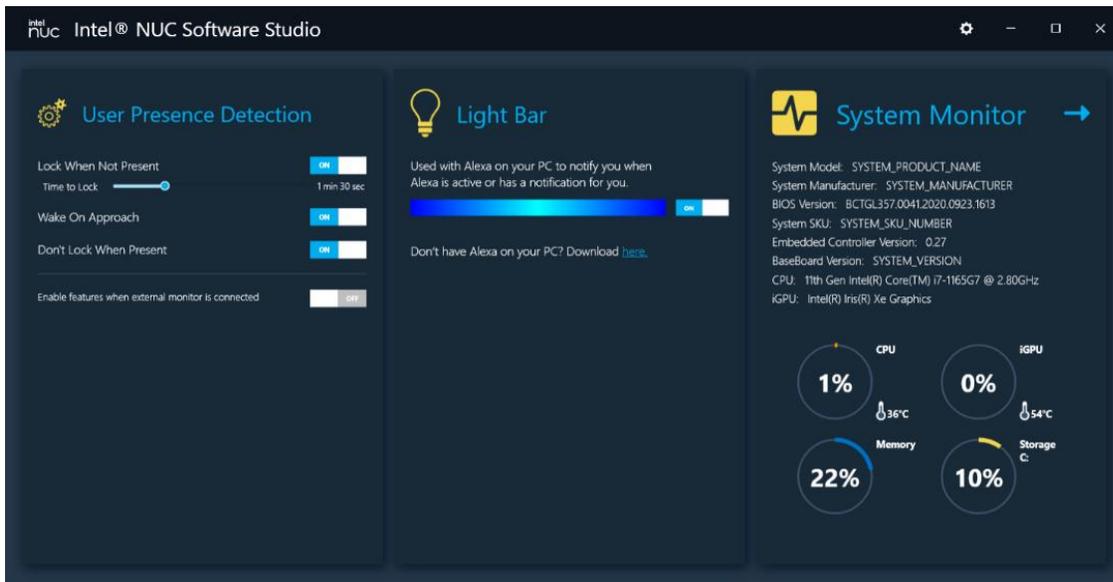


4. The Intel® NUC Software Studio home screen is displayed as shown below.

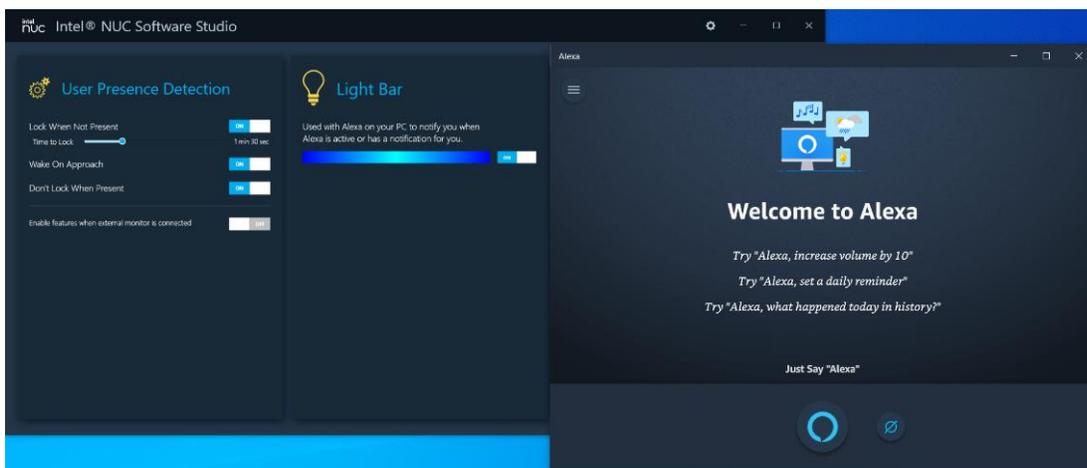
In this example, the Intel® NUC Performance Driver needs to be installed. The Alexa for PC extensions are installed with the Intel® NUC Performance Driver.



- Download Alexa application by clicking on the link provided



- Example of fully functional Light Bar installation is shown below.



5 Intel® NUC M15 Laptop Kit, Intel® NUC P14E Laptop Element

5.1 Overview

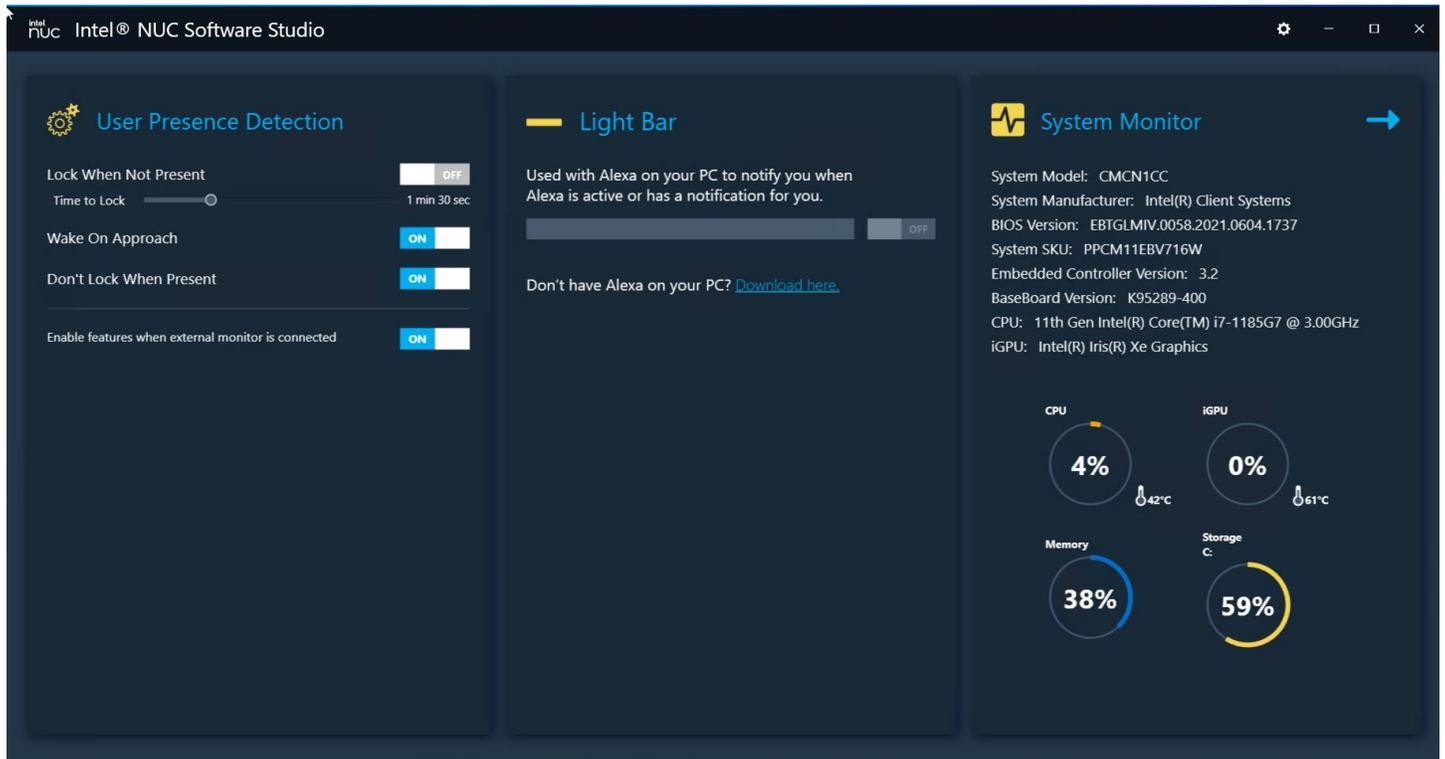
Intel® NUC Software Studio supports the below features on Intel® NUC M15 Laptop Kit and Intel® NUC P14E Laptop Element:

1. Alexa LED Lightbar
2. User Presence Detection
3. System Monitor

5.2 Home Screen

On launch of the application, the home screen displays a summary of current settings. User can modify the supported settings from this page.

Clicking on the → button directs you to the detailed settings page.



6 User Presence Detection

This feature allows to lock the device when you are away from the computer, and then wakes it automatically when you return.

You can also set User Presence Detection to not lock the computer when you are present.

The following table describes the supported feature and its default values:

Feature	Button	Default	Function
Lock When Not Present	ON/OFF toggle button	ON	When ON – Locks the laptop when you are away. When OFF – Does not lock the laptop when you are away.
Time to Lock	Slider with duration in seconds	ON	Lock When Not Present feature is ON, represents the total time for dimming and locking from 60 seconds to 3 minutes. When Lock When Not Present feature is OFF, the timer is disabled.
Wake On Approach	ON/OFF toggle button	ON	When ON – The laptop wakes up when you approach the laptop. When OFF – The laptop does not wake up when you approach the laptop.
Don't Lock When Present	ON/OFF toggle button	ON	When ON – The laptop stays unlocked when you are present near the laptop. When OFF – The laptop stays locked when you are present near the laptop.
Enable features when external monitor is connected	ON/OFF toggle button	OFF	When OFF – All the above features are inactive when external monitor is connected. When ON – All the above features are active when external monitor is connected.

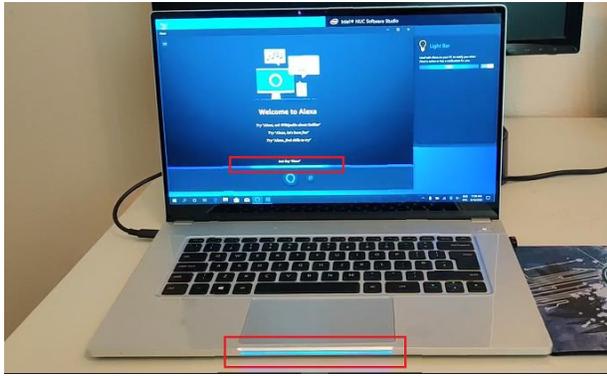
7 Alexa LED Light Bar

The Light Bar feature is used with Alexa to notify you when Alexa is active.

Voice activation using Alexa is indicated in LED Light Bar. The light bar displays different effects based on the state of the Alexa for PC application. This feature is set to ON by default.

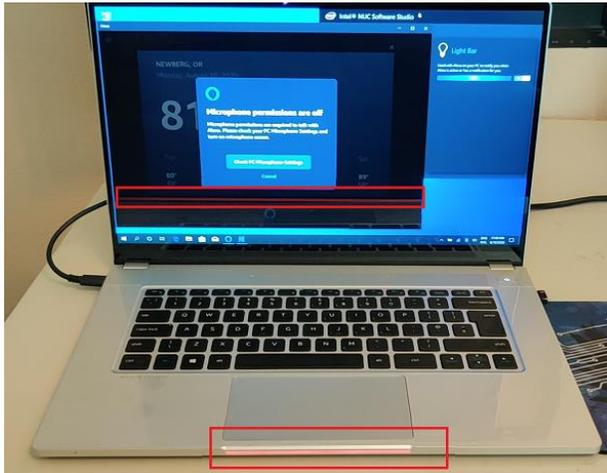
1. The Alexa Light Bar supports the following Alexa application features.
 - a. Idle – No Alexa voice or LED Light Bar activity
 - b. Listening – Alexa app listening sound and animation, LED Light Bar animation
 - c. Thinking – Alexa app thinking sound and animation, LED Light Bar animation
 - d. Speaking – Alexa app speaks (ex: today's weather, tell me a joke, play music) and animation, LED Light Bar animation
 - e. Mic mute – Windows mic mute: Alexa app red bar, LED Light Bar red
 - f. Do not disturb-Enable/Disable
2. Enable/disable Alexa effects using the toggle button.

The following examples show the Light Bar behavior.



Alexa active

The red box on the screen indicates Alexa active.
The red box on the laptop (below the touchpad) indicates the corresponding color code for active Alexa.



Mic muted (Alexa inactive)

The red box on the screen indicates Alexa inactive.
The red box on the laptop (below the touchpad) indicates the corresponding color code for inactive Alexa.



Light Bar off (Alexa active)

The red box on the screen indicates Alexa active.
The red box on the laptop (below the touchpad) shows no color since the Light Bar has been deactivated although Alexa is active.

8 System Monitor

System Monitor displays the real time indication of the hardware's system settings. The System Monitor's data includes:

- CPU
- iGPU
- Memory
- Storage
- Battery indicator
- System information like Model, Manufacturer, BIOS and EC version
- System Fan speed



9 Known Errata

1. Light Bar does not display Alexa states after waking from Modern Standby
 - a. When the system wakes from Modern Standby, the hardware LEDs remain off, even if they are enabled in Intel® NUC Software Studio. When the Alexa application is used, no effects will be shown on the light bar.
 - b. **Steps to Recover:**
 - i. Right click on NUC Software Studio Tray App in bottom right-hand corner and select "Exit".
 - ii. Close Alexa App.
 - iii. Re-Open NUC Software Studio App.
 - iv. Re-Open Alexa App.