

# QC710

## Mini Box User Guide

## **FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT**

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 the 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 into 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.

### **CAUTION:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

### **RF exposure warning**

•This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be providing with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

**Canada, avis d'Industry Canada (IC)**

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003 et RSS-210.

Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

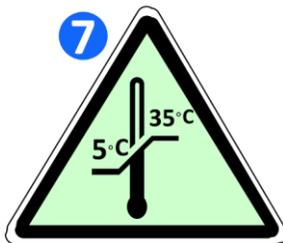
Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce périphérique a été évalué et démontré conforme aux limites SAR (Specific Absorption Rate – Taux d'absorption spécifique) d'IC lorsqu'il est installé dans des produits hôtes particuliers qui fonctionnent dans des conditions d'exposition à des appareils portables.

# Safety Precautions

The following are lists of precautionary measure the students must understand before using this computer inside the classroom or home environment:



1. Do not place near the fire or other sources of heat.
2. Do not expose to magnetic fields.
3. Do not expose to direct sunlight.
4. Do not expose to rain or moisture.
5. Do not place heavy objects to add heavy pressure on the computer.
6. Do not drop the computer.
7. Use this computer in environments with ambient temperatures between 5° C and 35° C

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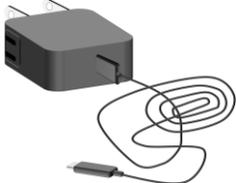
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# 1. Overview

This chapter provides an overview of the Connected PC, including the locations of the connectors and controls, Connected PC features, and accessories.

## Package contents

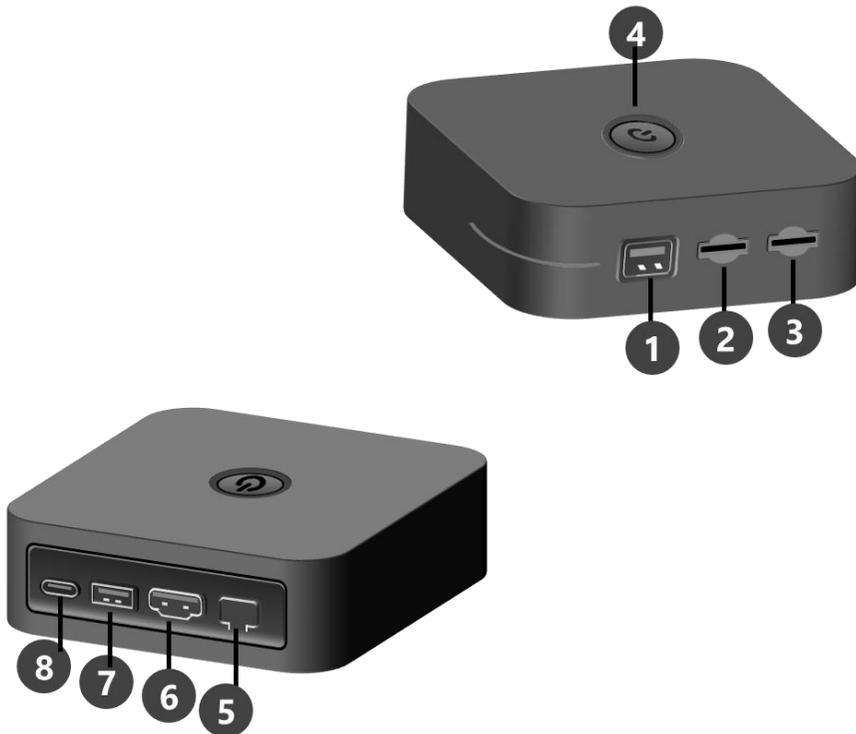
Carefully unpack your box and take out the items listed below. If any of the items are missing or damaged, please contact your dealer immediately:

<ul style="list-style-type: none"><li>• One Connected PC</li></ul>	<ul style="list-style-type: none"><li>• One AC adapter and power cable</li></ul>
	
<ul style="list-style-type: none"><li>• This manual</li></ul>	
	

## Connected PC layout

This topic introduces the Connected PC hardware features and basic information you need to start using your Connected PC.

### ■ Layout



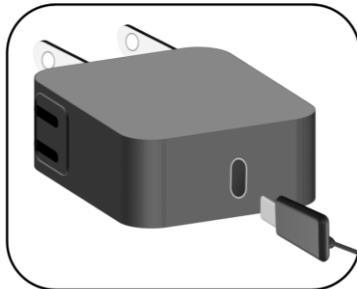
No.	Name	No.	Name
1	USB 2.0 Type-A port	5	Ethernet port (10/100)
2	Micro SD card slot	6	HDMI port
3	SIM card slot nano type	7	USB 3.2 Gen1 Type-A port
4	Power button	8	USB 2.0 Type-C port (Power Input)

## 2. Using your computer

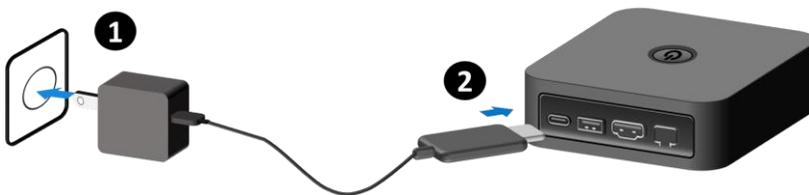
### Connecting the AC power adapter

#### ■ To connect the AC power adapter to your Connected PC

1. Plug the power cable into the adapter.

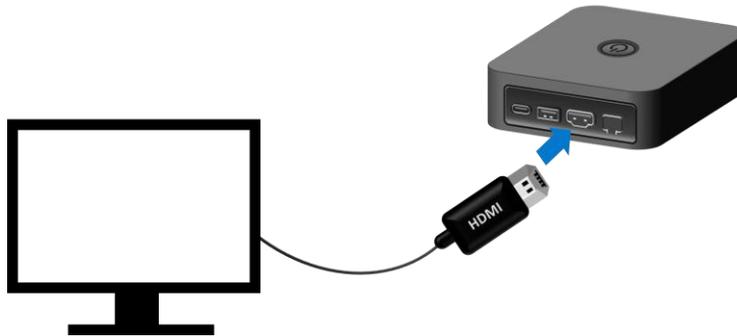


2. Plug the USB Type-C head of the adapter into the USB Type-c port, which you can find on the left side of your Connected PC



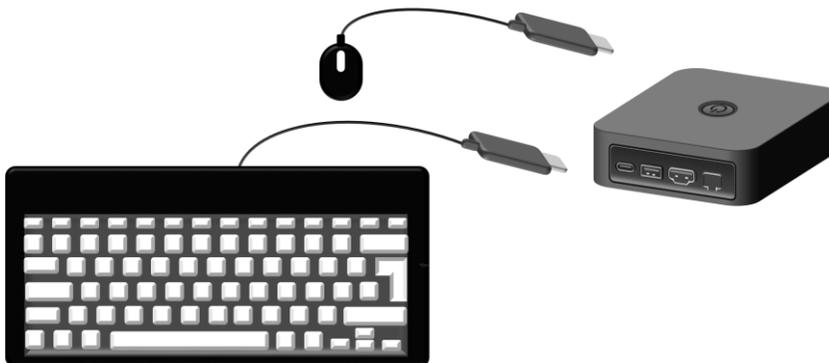
## Connecting a display panel

You can connect a display panel or projector to your Connected PC. To connect a display panel to the your Connected PC, connect a display cable to the HDMI port



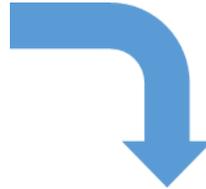
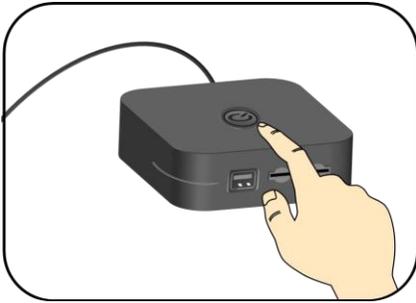
## Connecting USB keyboard or mouse

You can connect generally any USB keyboard and mouse to your Connected PC. Connect the USB cable from your keyboard and mouse to any of the USB ports of your Connected PC.

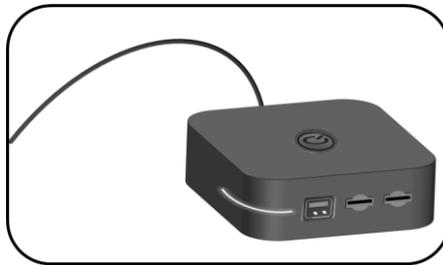


## Powering ON/OFF

### ■ Powering on your computer



Press the power button (normally 1 to 2 seconds).to turn system on. The LED indicator on the front panel lights up, and turn to solid white after startup



### ■ Powering off your Connected PC

Save all your data before powering your Connected PC off.

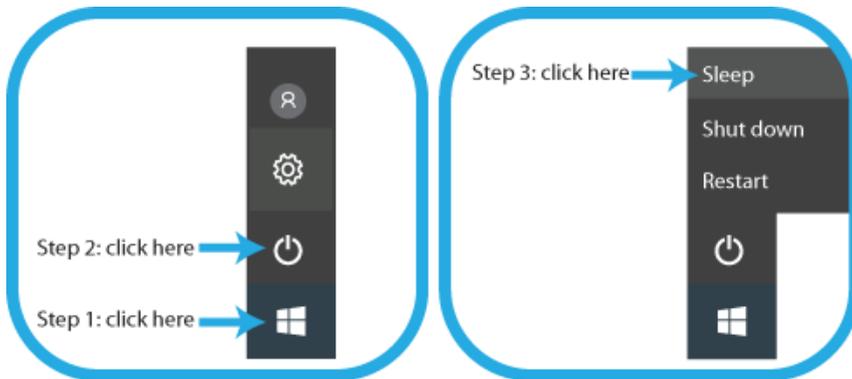
To power down the system, just press and hold the power button for a least (4) seconds until your Connected PC turns off.

## Putting your Connected PC into sleep mode

When you will be away from your Connected PC for a short time, put the PC to sleep.

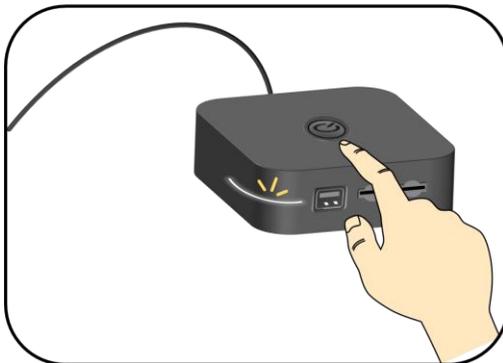
Do one of the following:

- Close the display panel
- Press the power button briefly one time.
- Open the Start menu and then select <Power> → <Sleep>.



## Waking up your Connected PC

When the system enters suspend mode the power LED indicator is blinking, to wake your connected PC just presses the power button briefly one time.



# Windows Interface

## Virtual desktops

The Desktop screen is as shown below and natively provides virtual desktop feature.



Virtual desktops gives you the ability to have multiple desktop interfaces on your laptop and to switch between them like you have multiple monitors. With this feature, you can create many desktops and respectively keep different apps open, separating types of work.

## Start With Virtual Desktops



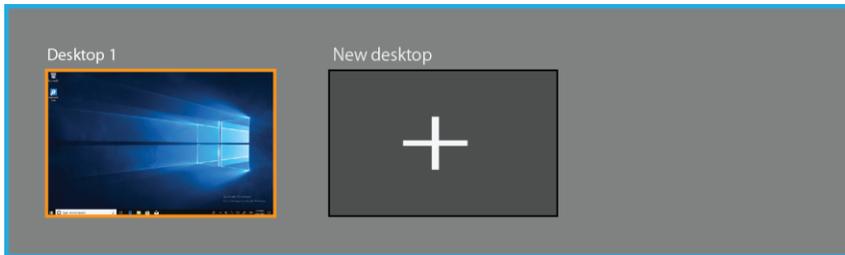
You'll need to open the Task View to work with virtual desktops. To do this, click its button on the taskbar, which is as shown on the left.

### Note:

1. If you don't see the button, right-click on an empty spot of the Taskbar and check the Show Task View button option.
2. You can also access Task View with the keyboard shortcut Win + Tab.

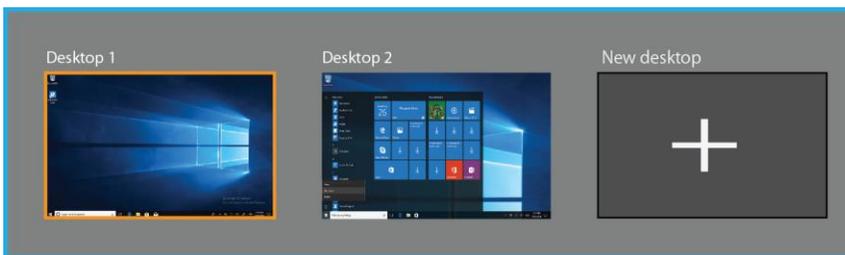
## ■ Creating a new desktop

For the first time, you'll only see the view at the top of the page. The first desktop is your current one.



To create a second one, click the < New desktop> icon.

After creating a new desktop, you can simply click on the desktop you want to switch to at the top of the screen.



## **Taskbar**

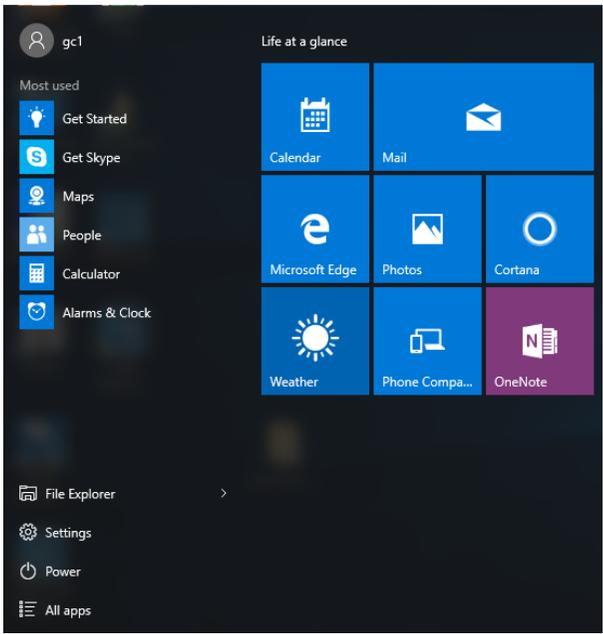
The black bar on the bottom of the desktop is called Taskbar. It provides several key features and they are:

- Start menu
- Search box
- App shortcuts area
- Notification area

## ■ Start menu



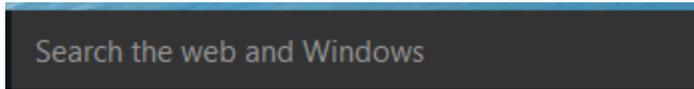
To open the Start menu, you can either click on the windows icon (which is also known as Start button) located at the left end of the taskbar or press once on the windows key of the keyboard. And the Start menu will appear, as shown below



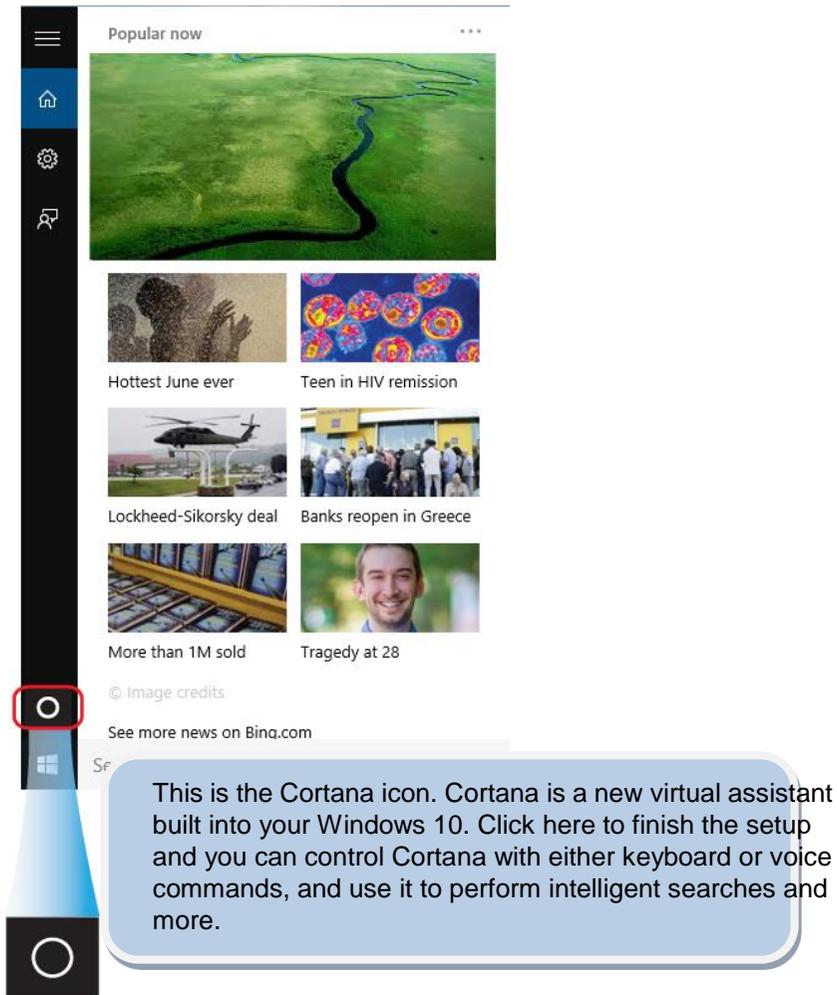
For how to setup this menu, please refer to page 30.

## ■ Search box - Cortana

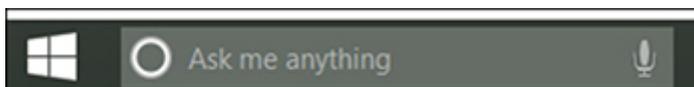
Next to the Start menu is the search box, as shown below.



When you select this box, a window will pop out as shown below.

A screenshot of the Cortana search results window. The window has a dark blue header with "Popular now" and a hamburger menu icon. Below the header is a large image of a green landscape with a winding river. Underneath are several smaller images with captions: "Hottest June ever", "Teen in HIV remission", "Lockheed-Sikorsky deal", "Banks reopen in Greece", "More than 1M sold", and "Tragedy at 28". At the bottom, there is a "© Image credits" link and a "See more news on Bing.com" link. A red circle highlights the Cortana icon (a white circle with a blue ring) in the bottom left corner of the window. A blue callout box points to the icon with the text: "This is the Cortana icon. Cortana is a new virtual assistant built into your Windows 10. Click here to finish the setup and you can control Cortana with either keyboard or voice commands, and use it to perform intelligent searches and more."

After you setup the Cortana settings, the search box will look like



## ■ App shortcuts area



In this area, you can put the shortcuts of your frequently used apps. For how to arrange this area, please refer to page 30

## ■ Notification area

The right part of the taskbar holds several icons that show you the status of your system, as shown below.



This is an area called Notification Area, where

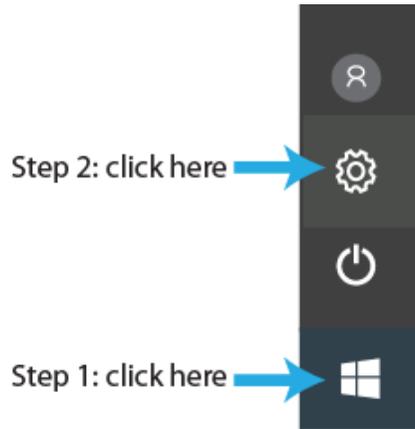
	Click here to show more hidden status icons.
	Shows you the status of your wireless network connection.
	Click here to show the system notifications and several shortcuts.

# 4. Setup and Connection

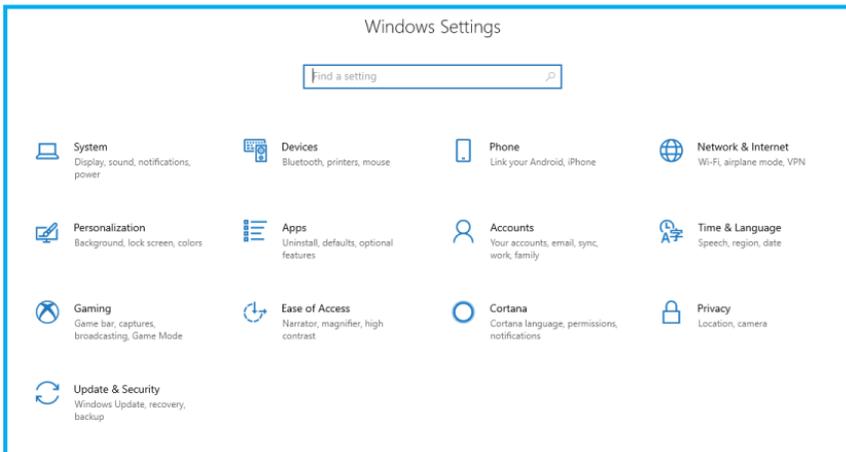
## Settings screen

To access to the Settings screen:

1. Click the Windows icon in the low-left corner of the Desktop. Or, press on the Windows key in the keyboard.
2. Click the Settings icon.



This will open the Settings screen, as shown below



Next, the following sections will guide you through the basic setup of your windows system.

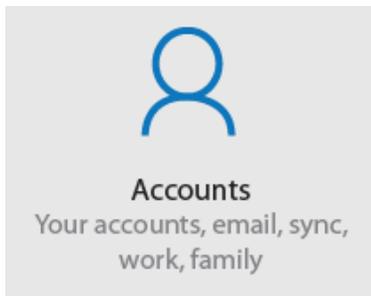
## Windows Activation



To use all features of your Windows laptop pc, you may need to activate your Windows system. Follow the following steps to register and activate your Windows.

1. Open the Start menu and click <Settings >.
2. Click <Update & security>
3. Select <Activate>.
4. Follow the instructions to activate your windows.

## Setup Your Microsoft Account

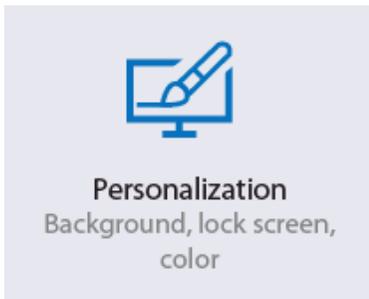


To share files or settings with other devices running Windows 10, you need to setup a Microsoft Account. Furthermore, if you want to download or purchase apps from the Microsoft Store, such Microsoft Account is required.

To setup your Microsoft account

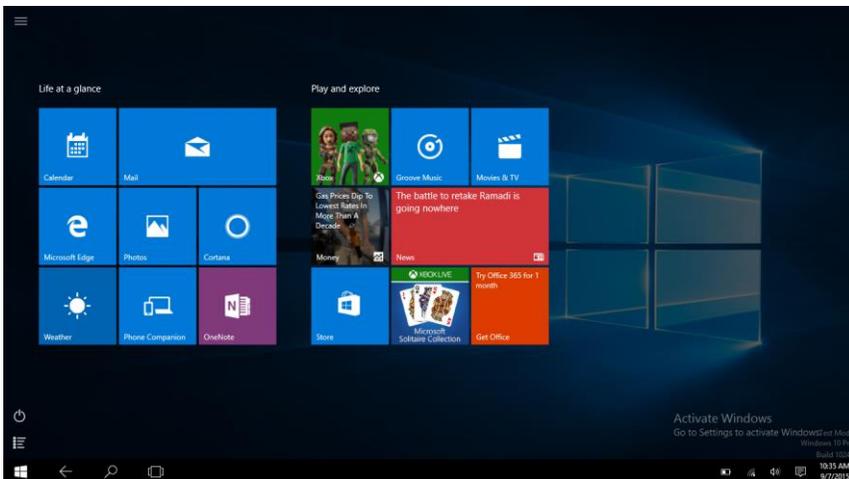
1. Open the Settings screen and select <Accounts>.
2. Select <Your account >
3. Select <Sign in with a Microsoft account instead>.
4. Follow the instruction to register your account information.

## Replacing Desktop with Start screen



If you are more familiar with the interface similar to the Start screen introduced in Windows 8 series, you can set your system to show the Start screen instead of the Desktop every time when you power on your system. To do so, do the following steps:

1. Open the Settings screen.
  2. Select <Personalization>.
  3. In the Personalization screen, enable the option <Use Start full screen>
- After these steps, you will see the Start screen every time you turn on your system, as shown below.

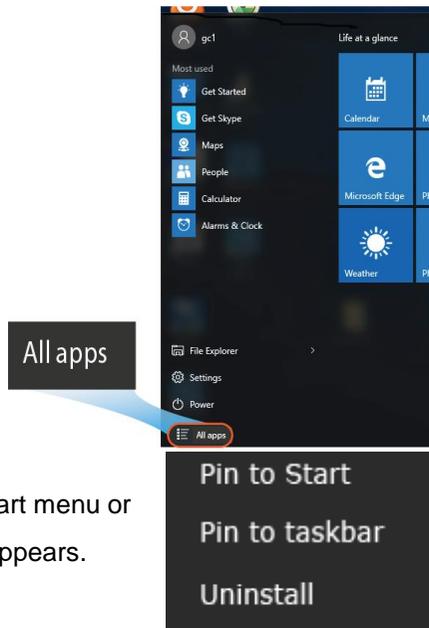


## Pin and unpin your app

### ■ Pinning an App to Start menu or taskbar

To add an app:

1. Open the Start menu and select <All Apps>.



2. Right-click on the app that you want to appear on your Start menu or taskbar, and an option menu appears.

3. Click <Pin to Start> or <Pin to taskbar> to add the app to your Start menu or taskbar.

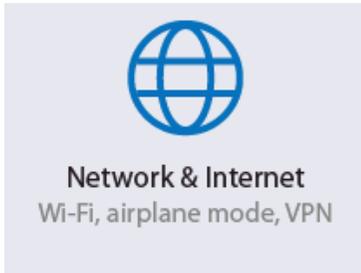
### ■ Removing an App

To remove an app:

1. Right click the app that you want to remove from your Start menu or taskbar.
2. Click <Unpin from Start> or <Unpin from taskbar> to remove it from your Start menu or taskbar.

# Wireless LAN

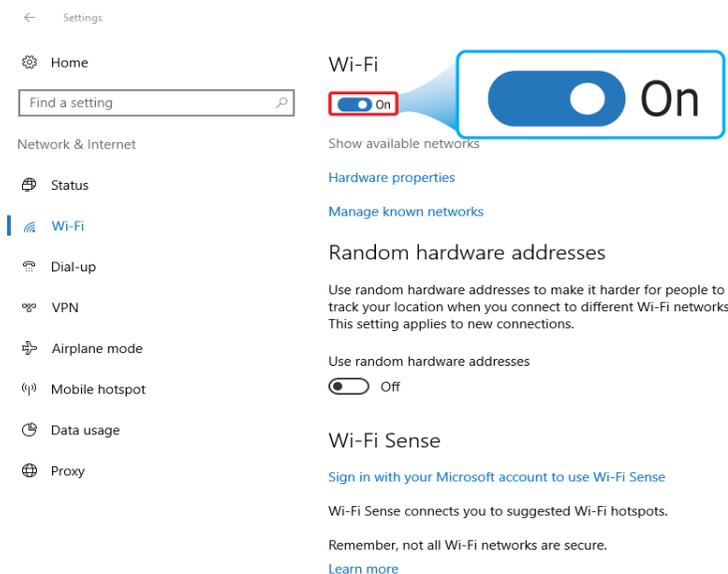
## ■ Enabling wireless connection



1. Open Settings menu and select <Network & Internet>.

2. Select <Wi-Fi> and set the function to

ON, as shown below



3. Make sure you have switched the Airplane mode off. To confirm that Airplane mode is disabled, go to the desktop and check the notification area. If you see an airplane icon displayed on the lower right, please disable the Airplane mode first.

## ■ Connecting to a wireless LAN

Once the wireless has been enabled, the laptop automatically scans for available wireless networks and displays them in the wireless LAN network list. To connect to your desired wireless network, click the network's name in the list, and then click Connect.

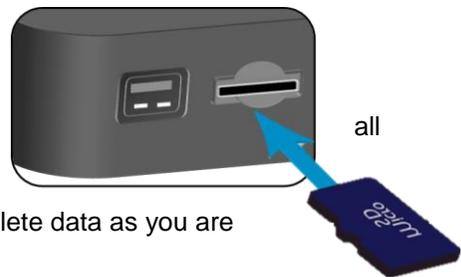
**Note:** Some networks require a network security key or password for connection. If necessary, ask the network administrator or the Internet service provider (ISP) for the required information.

## Micro SD Card Slot

You can utilize your micro SD cards as removable disks and conveniently exchange data with digital devices such as a digital camera, digital camcorder, MP3, etc.

### ■ To insert your micro SD card

1. Insert the micro SD card into the card slot.
2. Follow the message on the screen to open and view the files.
3. A Windows Explorer runs and shows the folders and files in the micro SD cards, and you can save, move and delete data as you are handling a storage device.



### ■ To remove your memory card

1. Press the card and release. The card will pop up.
2. Pull the card out by holding the end of the card.

## Connecting an External Device

### ■ Connecting to the USB port

Your computer comes with three USB ports – which are one Type-C, one USB 3.0 Type-A , and one USB 2.0 port - compatible with all kinds of USB devices.

Once you plug a USB device into a USB port on your computer, Windows automatically loads a driver for that device. After the driver has been loaded one time, you can disconnect and reconnect the same device without performing any additional steps.

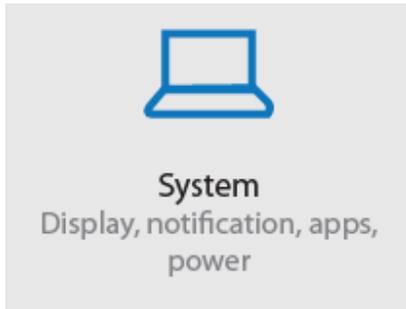
Note: If Windows requires you to install the driver before connecting, check the documentation provided by the device's manufacturer before connecting the device.



To disconnect a USB storage device, make sure you click the Safely Remove Hardware icon (as shown on the left) in the notification area of the taskbar to remove the device before disconnecting.

Note: If your USB device uses a power cord, connect the device to a power source before connecting it.

## ■ Connecting to the HDMI port

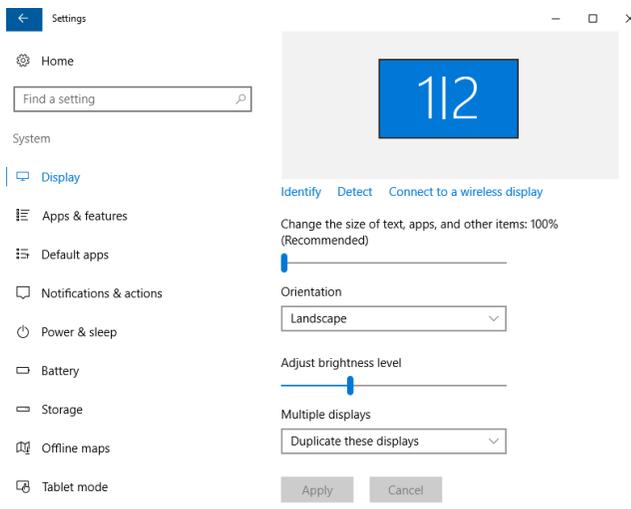


You can connect your external display device such as a monitor, TV, or projector to your laptop, if such device has a HDMI port. By doing so, you have a wider view when you give a presentation or watch a video or movie.

1. Power off the external device.
2. Locate the HDMI port on your laptop.
3. Connect one end of your cable to the port, and the other end to the port on the external device.
4. Power on the external device.

When connecting a TV, you may need to configure your TV to external device mode.

5. Open the Settings screen, select <System>and then <Display>.
6. If your external monitor is detected, you will see the setting page similar to the one as shown below



7. Click <Multiple displays> to open the drop-down list.
8. From the list, select your desired monitor mode.
9. Click <Apply> and confirm your setting.

# 6. Windows Help and Troubleshooting

## Backup your system

The backup feature provided here is a bit-by-bit copy of the entire system. You can use the feature to backup your full installation of the operating system, settings, desktop programs, Windows apps, and all personal files. To backup your system, it is recommended to use an external USB hard driver and connect it to any one of the available USB ports on your laptop. Then, follow the steps to setup the feature.

1. Open the Settings screen. As for how to open the Settings screen, please refer to page 14.



2. Select "Update & security".



3. Select "Backup".
  4. Click "Add a drive". A list will pop up and prompt you to select the drive where you want to store your backup files.
  5. Select whether you want the system to do the backup automatically.
- For now on, the system will backup your system automatically or prompt you to do the periodic backup manually.

# 7. Specification

<b>Processor &amp; Graphics</b>	<ul style="list-style-type: none"> <li>■ Qualcomm SC7180 (QSIP)</li> <li>■ 64 bits ARM v8 compliant applications processor</li> <li>■ Dual high performance cores</li> <li>■ Adreno GPU 6xx, with 64 bits addressing</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ LPDDR4, Supports 4GB</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ Support eMMC 5.1 64GB</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>■ 119 (W) x 116.6 (H) x 35 (D) mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>■ 220g</li> </ul>
<b>Wireless</b>	<ul style="list-style-type: none"> <li>■ 802.11ac 2x2 MIMO (5GHz/2.4GHz dual band support)</li> <li>■ Support Bluetooth 5.0</li> </ul>
<b>LTE(Optional)</b>	<ul style="list-style-type: none"> <li>■ Sixth-generation LTE multimode modem Cat12</li> <li>■ Cat 13 uplink, up to 150Mbps</li> <li>■ Up to 600 Mbps LTE peak throughput for downlink and 150Mbps for uplink</li> </ul>
<b>e-SIM</b>	<ul style="list-style-type: none"> <li>■ MultiSIM CE 4.2</li> <li>■ Dual-SIM (Real and e-SIM) availability</li> <li>■ On MB (PCBA optional)</li> </ul>
<b>Ethernet LAN</b>	<ul style="list-style-type: none"> <li>■ Integrated 10/100/1000M Ethernet Controller</li> </ul>

<b>Input/Output</b>	<ul style="list-style-type: none"> <li>■ 1 x USB 2.0 Type-A</li> <li>■ 1 x MicroSD card slot</li> <li>■ 1 x Micro-SIM card slot type</li> <li>■ 1 x USB 2.0 Type-C (Power Input)</li> <li>■ 1 x USB 3.2 Gen1 Type-A</li> <li>■ 1 x HDMI port</li> <li>■ 1 x LAN port (10/100)</li> </ul>	
<b>OS</b>	<ul style="list-style-type: none"> <li>■ Windows 10 (64bit)</li> </ul>	
<b>Power adapter</b>	<ul style="list-style-type: none"> <li>■ 30 Watts, USB type C, PD adapter</li> <li>■ Surge protection</li> </ul>	
<b>Certification</b>	EMC	<ul style="list-style-type: none"> <li>■ FCC/CE</li> </ul>
	RF	<ul style="list-style-type: none"> <li>■ CE (WiFi only, LTE by request)</li> <li>■ Module FCC (LTE by request)</li> </ul>
	Safety & Environment	<ul style="list-style-type: none"> <li>■ CB</li> <li>■ UL (by request)</li> <li>■ WEEE (Declaration)</li> <li>■ RoHS (Declaration)</li> </ul>
	Design Ready	<ul style="list-style-type: none"> <li>■ Energy Star Compliance 8</li> <li>■ Erp 6</li> </ul>
	Other	<ul style="list-style-type: none"> <li>■ HDMI</li> </ul>

