



Windows 10 Installation Guide

Complete Step-by-Step Visual Tutorial



Objective: To install Windows 10 Operating System on a computer system with complete understanding of the installation process, requirements, and post-installation configuration.



System Requirements



Processor

1 GHz or faster

Compatible with 64-bit or
32-bit processor



RAM Memory

2 GB (64-bit)

1 GB for 32-bit systems



Storage Space

20 GB or more

For 64-bit installation



Graphics Card

DirectX 9+

WDDM 1.0 driver



Display

800x600 resolution

Minimum screen size



Internet

Required

For updates & activation



Prerequisites - Before Installation

Pre-Installation Checklist

- ☒ **Backup all important data** - Save files to external drive or cloud storage
- ☒ **Windows 10 ISO file** - Downloaded from Microsoft official website
- ☒ **Bootable USB drive** - Minimum 8GB USB flash drive
- ☒ **Product Key** - Valid Windows 10 license key (if required)
- ☒ **Device Drivers** - Download essential drivers beforehand
- ☒ **Stable Power Supply** - Ensure uninterrupted power during installation



Creating Bootable USB Drive

1

Download Media Creation Tool

Visit Microsoft's official website and download the Windows 10 Media Creation Tool. This free tool will help create a bootable USB drive.

2

Run Media Creation Tool

Launch the tool with administrator privileges. Accept the license terms when prompted.

3

Choose "Create installation media"

Select the option to create installation media (USB flash drive, DVD, or ISO file) for another PC.

4

Select Language, Edition, and Architecture

Choose your preferred language, Windows 10 edition (Home/Pro), and architecture (64-bit recommended).

5

Choose USB Flash Drive

Select your USB drive from the list. Warning: All data on the USB will be erased!



Windows 10 Installation Process

1

Insert Bootable USB and Restart

Insert the bootable USB drive into your computer and restart the system. The computer needs to boot from the USB drive.

2

Enter BIOS/UEFI Settings

Press the BIOS key during startup (usually F2, F12, DEL, or ESC - depends on manufacturer). Change boot priority to boot from USB first.



Installing Windows 10 from bootable USB

Step 01: Plug in the bootable USB in to system unit.

Step 02: Restart the computer.

Step 03: In some computers you need to change BIOS boot sequence, to do this:

- Access BIOS setup by pressing setup key continuously at restart
- Set USB as first bootable device in boot sequence.
- Save changes and exit the setup.

In other computers you just need to access boot order and select the bootable USB.

Note: Setup key on different computer vary, some of the possible keys are: Esc, Del, F2, F10)

Step 04: Computer now loads windows files from USB.

Step 05: Click Install Now to start.

Phoenix - AwardBIOS CMOS Setup Utility
Advanced BIOS Features

Hyper-Threading Technology[Enabled]
Quick Power On Self Test [Enabled]
First Boot Device [USB-HDD]
Second Boot Device [HDD-0]
Third Boot Device
Boot Other Device
Boot Up Floppy Se
Security Option
OS Select For DRA

Item Help

Menu Level ▶

Select Your Boot
Device Priority

First Boot Device

| | | |
|-------------|-------|-----|
| HDD-3 | | [] |
| ZIP100 | | [] |
| USB-FDD | | [] |
| Card Reader | | [] |
| USB-CDROM | | [] |
| USB-HDD | | [■] |
| LAN | | [] |
| Disabled | | [] |

↑↓:Move ENTER:Accept ESC:Abort

↑↓→←:Move Enter:Select +/~/PU/PD:Value F10:Save ESC:Exit F1:General Help
F5: Previous Values F6: Fail-Safe Defaults F7: Optimized Defaults

Figure 1.2: Setting USB as first bootable device in BIOS

Boot Manager

Boot Option Menu

USB Hard Drive (UEFI) - KingstonDataTraveler G3 (KingstonDataTraveler G3)

OS boot Manager (UEFI) - Windows Boot Manager (KINGSTON SUV400S37240G)

Boot From EFI File

↑ and **↓** to change option, ENTER to select an option.

Press F10 to BIOS Setup Options, ESC to exit.

Figure 1.3: Selecting boot from USB-HDD



Figure 1.4: Step 05 – Click to install windows

Step 06: Enter Windows 10 product key and press Next (if available).

Step 07: Check “I accept the license terms to agree” and press Next.

Step 08: Click “Custom: Install Windows only (Advanced)”.

Step 09: Select and remove all partitions from the Disk.

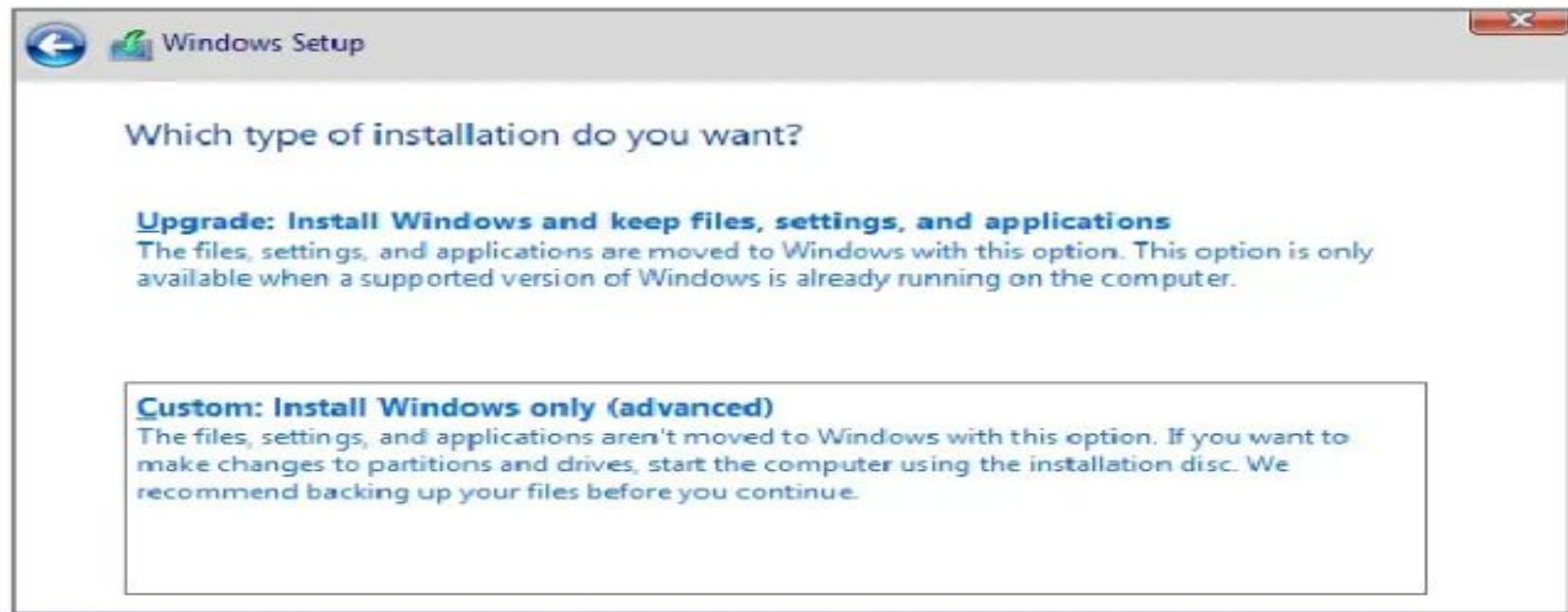


Figure 1.5: Step 08 – Click Custom Install for fresh installation

Step 10: Select unallocated space and click New, specify the size in MBs for new partition.

Step 11: Similarly create other partitions.

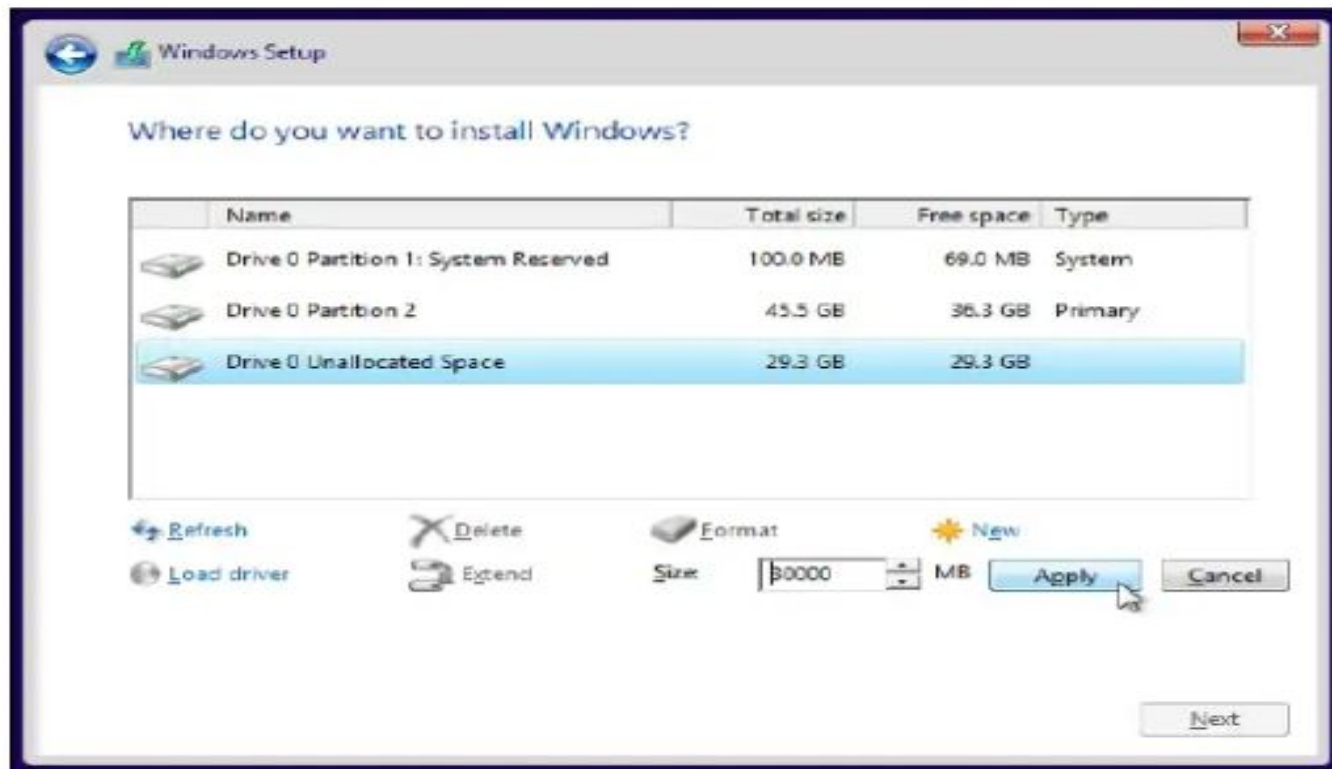


Figure 1.6: Step 09, 10 & 11 – Deleting and creating partitions

Step 13: The setup will now be copying files and installing the windows (this may take several minutes depending on your system configuration).



Figure 1.7: Step 09, 10 & 11 – Copying files and installing windows

Step 14: After the installation is completed, the computer will reboot.

Step 15: Remove the USB from the computer.

Step 16: The setup will now be getting the device ready to use.

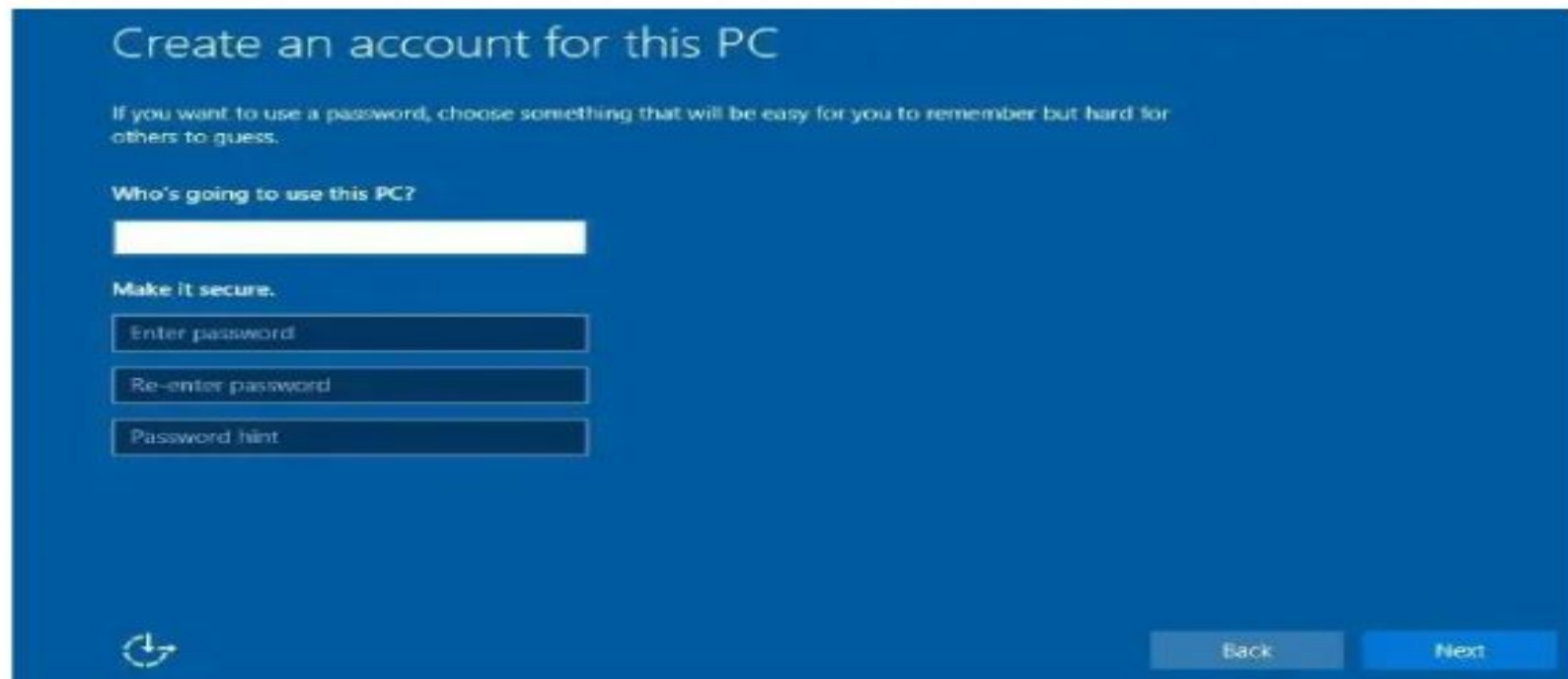


Figure 1.8: Step 16 – Getting device ready

Step 17: Click the “Use Express Setting” to use default settings.

Step 18: Skip the Microsoft account login.

Step 19: Create your user account by providing the username and password.



The screenshot shows the 'Create an account for this PC' window with a blue background. At the top, the title 'Create an account for this PC' is displayed in white. Below it, a message reads: 'If you want to use a password, choose something that will be easy for you to remember but hard for others to guess.' The main section is titled 'Who's going to use this PC?' and contains a white text input field. Below this, the section 'Make it secure.' includes three input fields: 'Enter password', 'Re-enter password', and 'Password hint'. In the bottom left corner, there is a circular arrow icon. In the bottom right corner, there are two buttons: 'Back' and 'Next'.

Figure 1.9: Step 19 – Creating user account

Step 20: Wait until the setup configures the setting and installs the default Apps.

Step 21: The setup has successfully installed windows 10 and the desktop appears.



Figure 1.10: Step 21– Windows 10 desktop