

# How to Install Vivado on Windows

Requirements: Windows 10 or 11, with at least 143 GB of free space.

1. Visit <https://www.xilinx.com/support/download.html>
2. Click “2022.1” on the left-hand side of the page.
3. Find “Vivado ML Edition - 2022.1 Full Product Installation”

We **strongly recommend** to use the web installers as it reduces download time and saves significant disk space.

Please see [Installer Information](#) for details.

## Note:

- Download verification is only supported with Google Chrome and Microsoft Edge web browsers.
- Beginning 2021.1 release we are offering only 2 Editions for Vivado ML. Please go to [product page](#) for more details.
- Vivado ML 2021.1 and later versions require upgrading your license server tools to the Flex 11.17.2.0 versions.

 [Xilinx Unified Installer 2022.1: Windows Self Extracting Web Installer \(EXE - 205.92 MB\)](#)

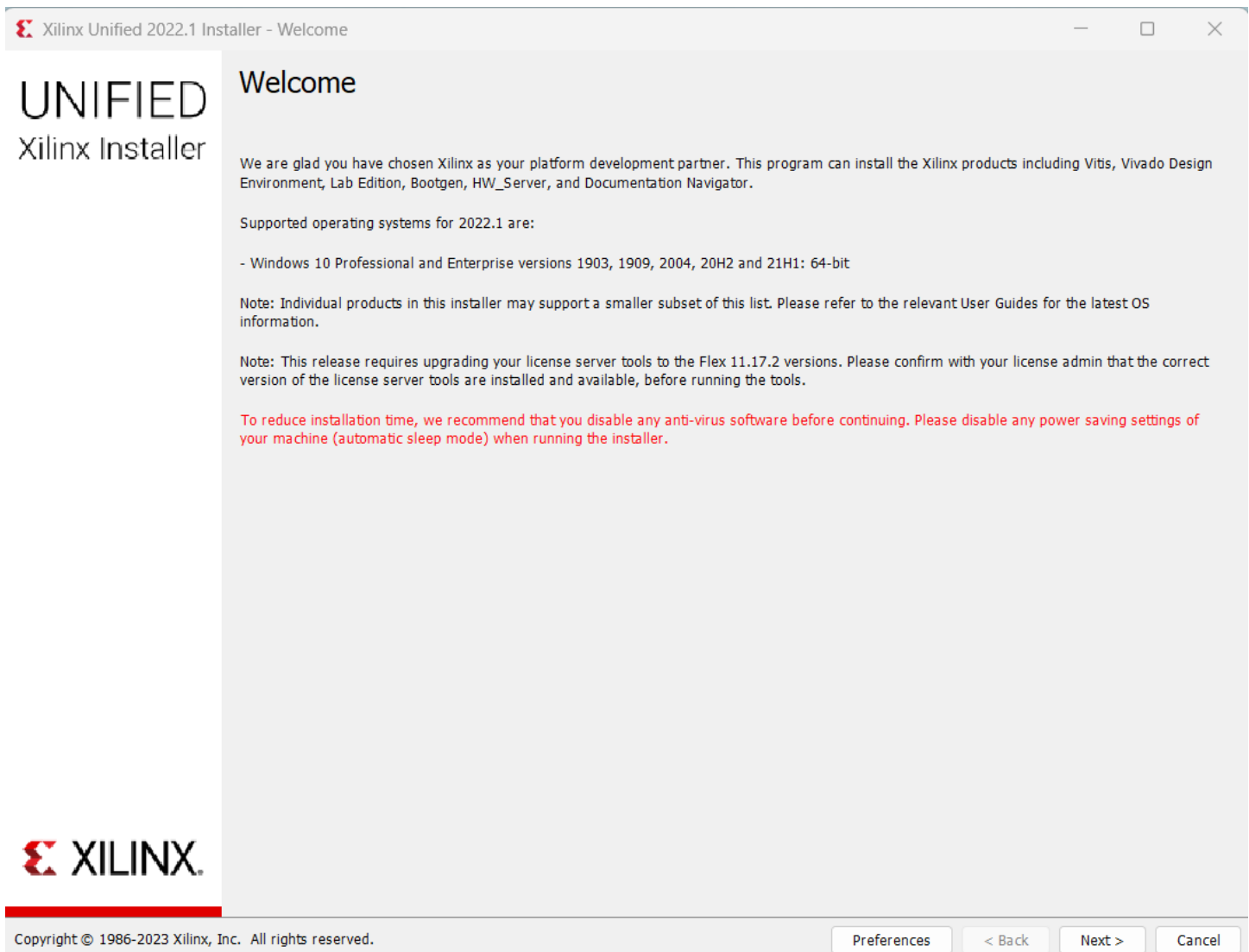
MD5 SUM Value : 76a6221ea8eed8c635c654cc100a1cae

## Download Verification

4. Click to download Xilinx Unified Installer 2022.1 – Windows Self Extracting Web Installer
5. Create an AMD Xilinx account or sign in if you happen to already have one.
6. Fill in the export control form, especially everything marked with an asterisk. The company name can be TAMU, it doesn't matter, as long as the blanks are filled.
7. Click Download.
8. Run the installer you just downloaded.

9. The installer will tell you 2023.1 is available. Click X or “Continue” to ignore this.

(If you want to go with 2023.1, it is not a problem.)

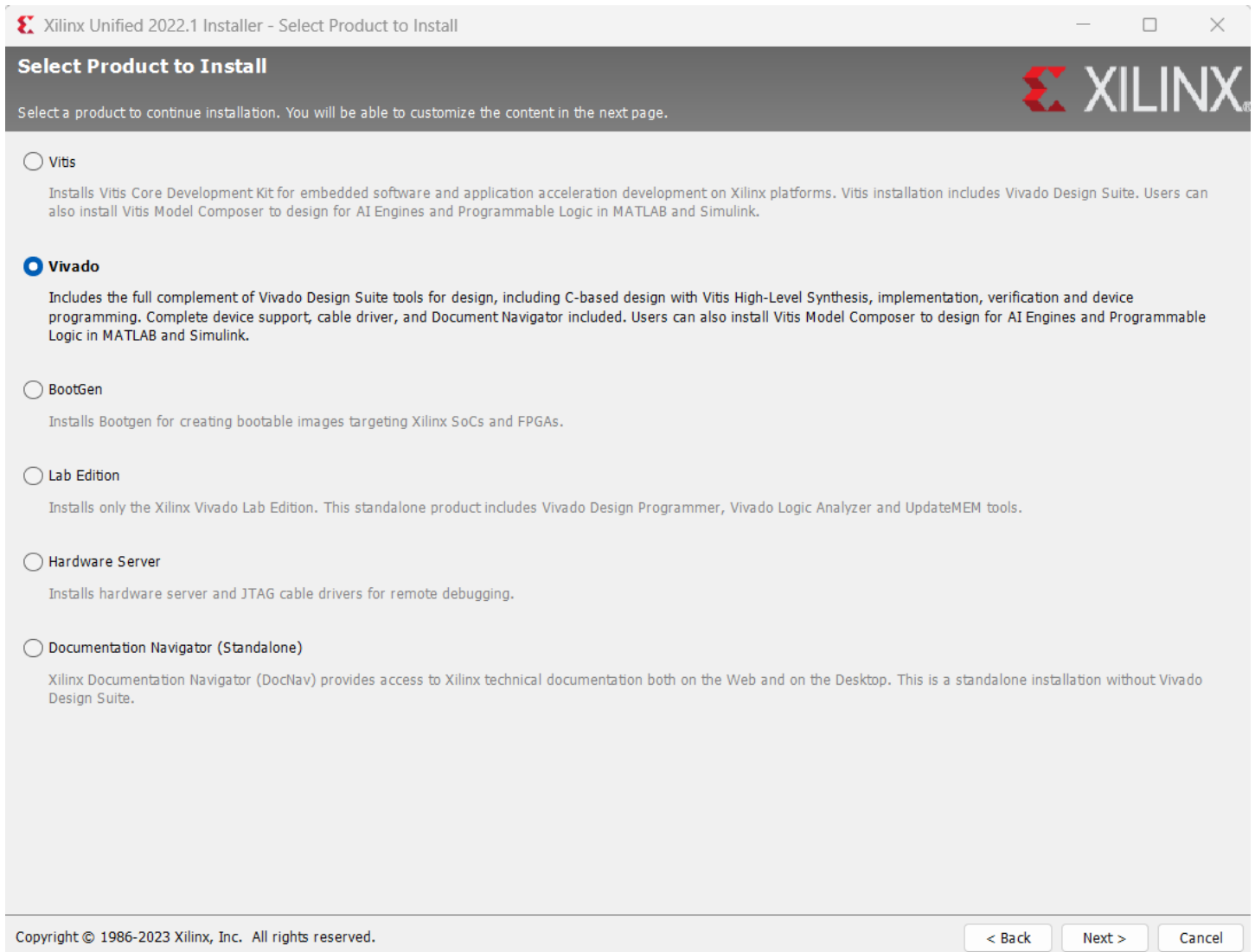


10. Click Next

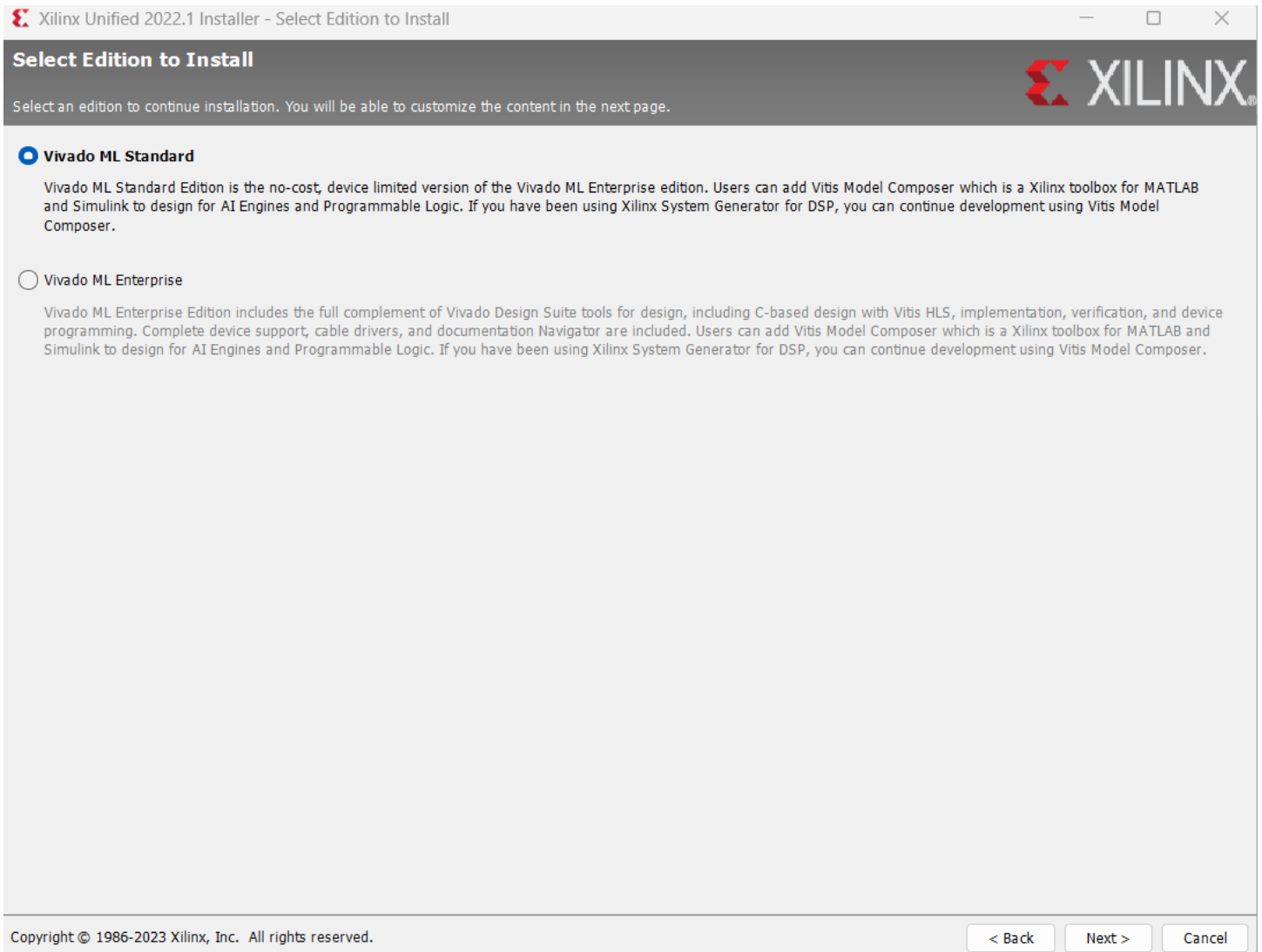
11. Enter the email address and password for your AMD Xilinx account, and make sure the “Download and Install Now” bubble is selected. Click Next.

12. Click “I Agree” for everything and click Next.

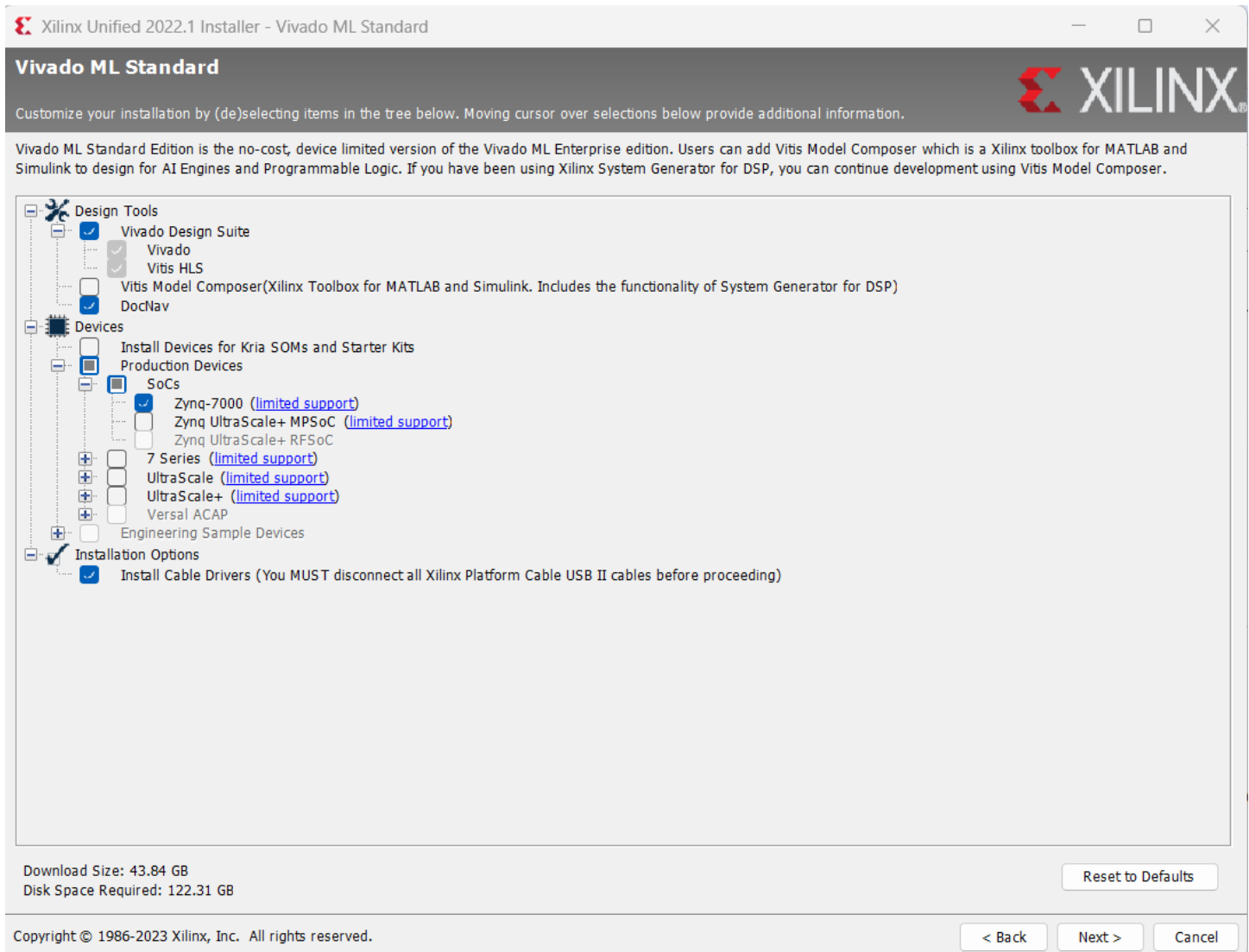
### 13. Select “Vivado” and click Next.



## 14. Select “Vivado ML Standard” and click Next.



15. Set your options to match those below and click Next.

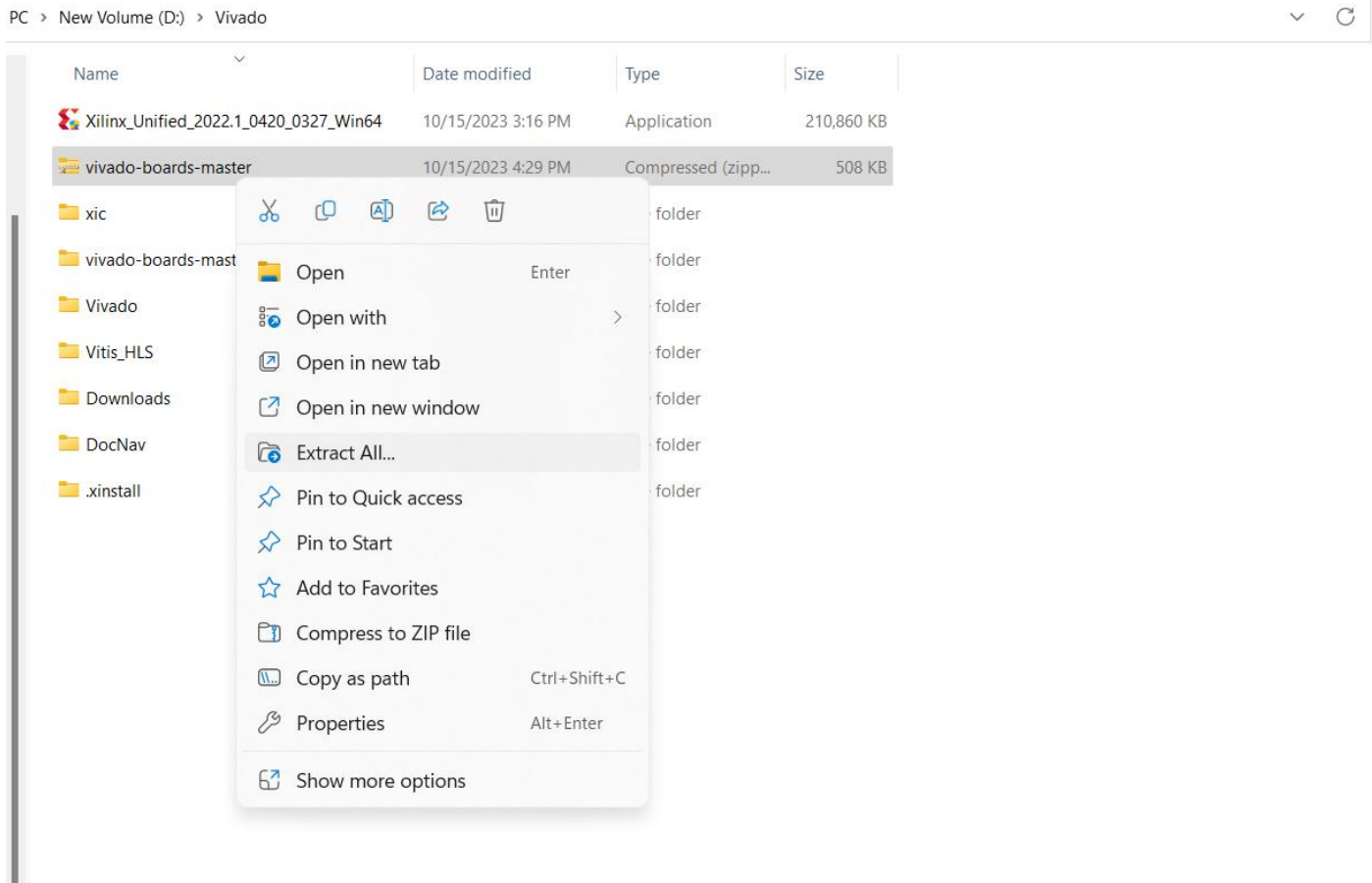


16. Click Next, then click Install.

17. Once the installation has finished, Vivado can be found in the Start Menu.

## Installing the board files for the Zybo Z7-10 board (you will need these to program the FPGA board)

1. Download the most recent [Master Branch ZIP Archive](#) of Digilent's [vivado-boards](#) Github repository and extract it.



2. Open the folder extracted from the archive and navigate to its `new/board_files` folder. You will be copying all of this folder's subfolders.

PC > New Volume (D:) > Vivado > vivado-boards-master > vivado-boards-master > new > board\_files

Search board\_files

| Name           | Date modified      | Type        | Size |
|----------------|--------------------|-------------|------|
| arty           | 10/15/2023 4:30 PM | File folder |      |
| arty-a7-35     | 10/15/2023 4:30 PM | File folder |      |
| arty-a7-100    | 10/15/2023 4:30 PM | File folder |      |
| arty-s7-25     | 10/15/2023 4:30 PM | File folder |      |
| arty-s7-50     | 10/15/2023 4:30 PM | File folder |      |
| arty-z7-10     | 10/15/2023 4:30 PM | File folder |      |
| arty-z7-20     | 10/15/2023 4:30 PM | File folder |      |
| basy3          | 10/15/2023 4:30 PM | File folder |      |
| cmod_a7-15t    | 10/15/2023 4:30 PM | File folder |      |
| cmod_a7-35t    | 10/15/2023 4:30 PM | File folder |      |
| cmod-s7-25     | 10/15/2023 4:30 PM | File folder |      |
| cora-z7-07s    | 10/15/2023 4:30 PM | File folder |      |
| cora-z7-10     | 10/15/2023 4:30 PM | File folder |      |
| eclipse-z7     | 10/15/2023 4:30 PM | File folder |      |
| genesys2       | 10/15/2023 4:30 PM | File folder |      |
| genesys-zu-3eg | 10/15/2023 4:30 PM | File folder |      |
| genesys-zu-5ev | 10/15/2023 4:30 PM | File folder |      |
| nexys_video    | 10/15/2023 4:30 PM | File folder |      |
| nexys4         | 10/15/2023 4:30 PM | File folder |      |

3. Open the folder that Vivado was installed into - `C:/Xilinx/Vivado` by default (you can install somewhere else).

Under this folder, navigate to its `2022.1/data/boards/board_files` directory. If this folder doesn't exist, create it.

**Copy** all of the folders found in vivado-boards' `new/board_files` folder, then **paste** them into this folder.

PC > New Volume (D:) > Vivado > Vivado > 2022.1 > data > boards > new > board\_files

Search board\_files

| Name           | Date modified      | Type        | Size |
|----------------|--------------------|-------------|------|
| arty           | 10/15/2023 4:30 PM | File folder |      |
| arty-a7-35     | 10/15/2023 4:30 PM | File folder |      |
| arty-a7-100    | 10/15/2023 4:30 PM | File folder |      |
| arty-s7-25     | 10/15/2023 4:30 PM | File folder |      |
| arty-s7-50     | 10/15/2023 4:30 PM | File folder |      |
| arty-z7-10     | 10/15/2023 4:30 PM | File folder |      |
| arty-z7-20     | 10/15/2023 4:30 PM | File folder |      |
| basys3         | 10/15/2023 4:30 PM | File folder |      |
| cmod_a7-15t    | 10/15/2023 4:30 PM | File folder |      |
| cmod_a7-35t    | 10/15/2023 4:30 PM | File folder |      |
| cmod-s7-25     | 10/15/2023 4:30 PM | File folder |      |
| cora-z7-07s    | 10/15/2023 4:30 PM | File folder |      |
| cora-z7-10     | 10/15/2023 4:30 PM | File folder |      |
| eclipse-z7     | 10/15/2023 4:42 PM | File folder |      |
| genesys2       | 10/15/2023 4:30 PM | File folder |      |
| genesys-zu-3eg | 10/15/2023 4:42 PM | File folder |      |
| genesys-zu-5ev | 10/15/2023 4:30 PM | File folder |      |
| nexys_video    | 10/15/2023 4:30 PM | File folder |      |
| nexys4         | 10/15/2023 4:30 PM | File folder |      |

That’s it! You’re ready to use Vivado.