

# Installing RT-Thread Studio for the WCH CH32V307V Development Board

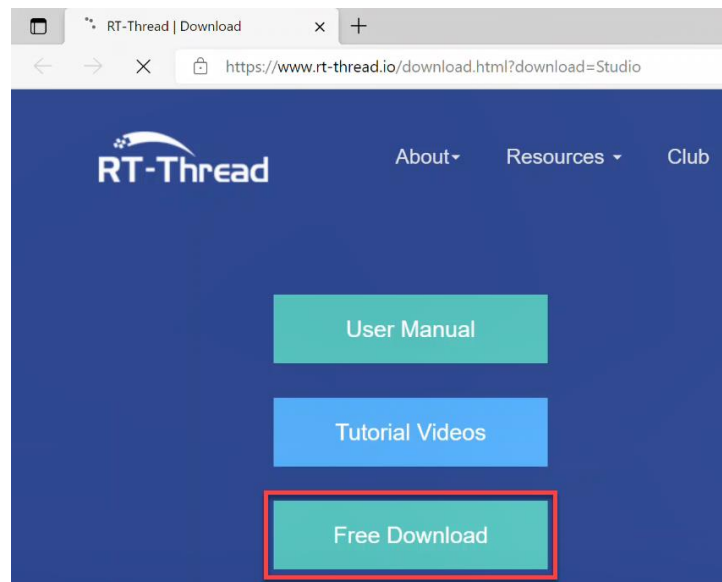
Last updated: 8/9/2022

**Software:** Windows 10 Home (21H2)  
RT-Thread Studio 2.2.5.0  
WCH CH32V307V-R1 1.0.8 (2022-05-23) SDK

1) Navigate to the **RT-Thread website**.

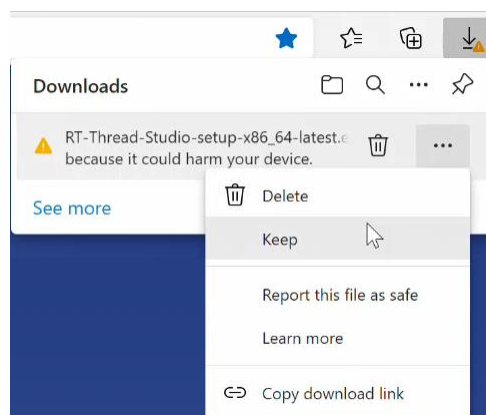
<https://www.rt-thread.io/download.html?download=Studio>

2) Click on the RT-Thread Studio **“Free Download”** button.

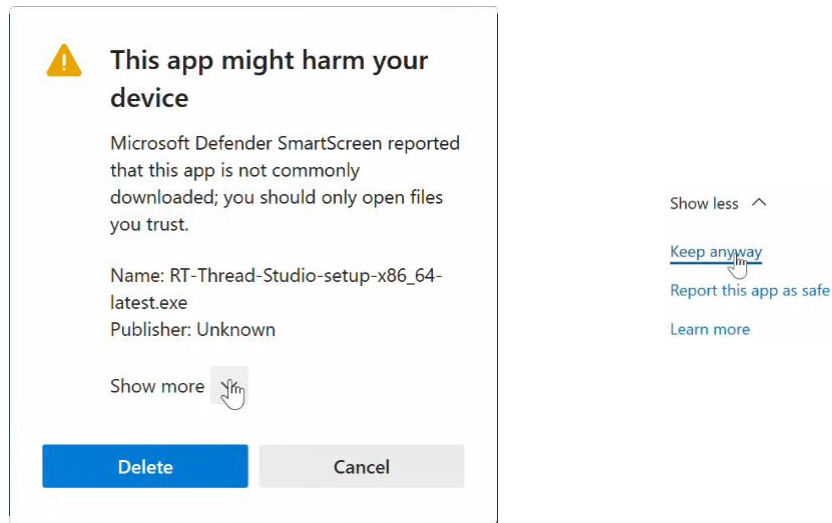


3) Wait for the download to finish.

4) If needed, click on the **drop-down** menu and select **“Keep”**.




5) If needed, click on **“Show more”**, then click **“Keep Anyway”**.



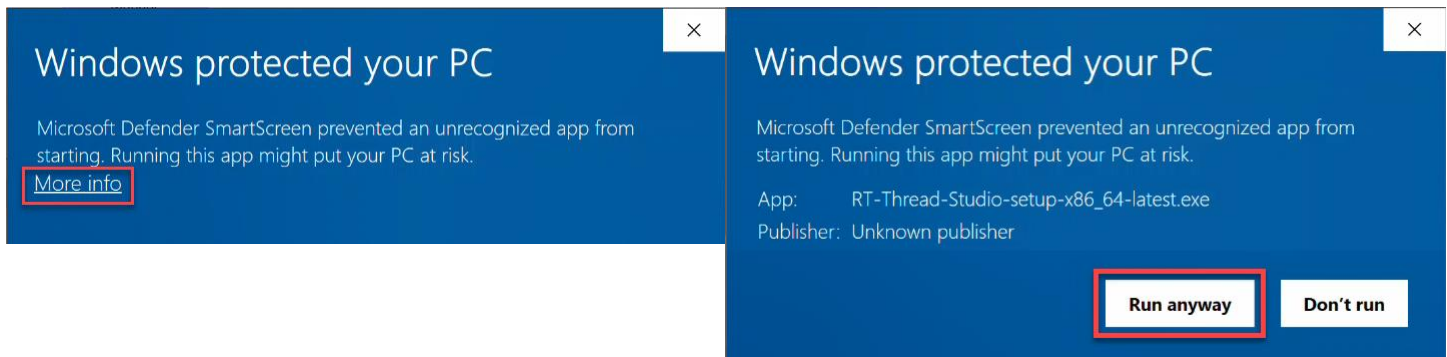
6) Open the **Downloads** folder.



7) **Double click** on the installer file "**RT-Thread-Studio-setup-x86\_64-latest.exe**".

Name	Date modified	Type	Size
▼ Today (1)			
 RT-Thread-Studio-setup-x86_64-latest.exe	8/9/2022 7:06 AM	Application	1,025,077 KB

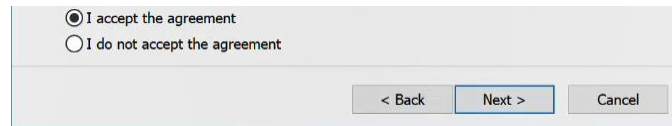
8) If prompted, click on "**More info**", and then "**Run anyway**".



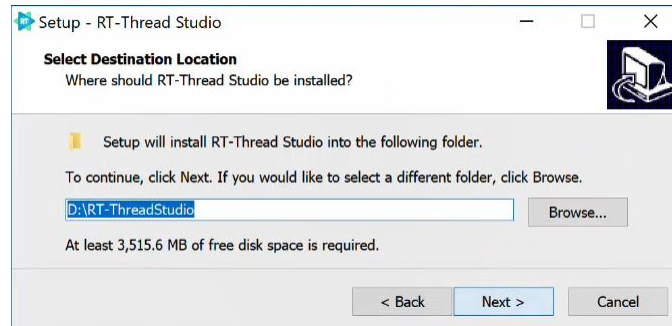
9) Click on "**Next**".



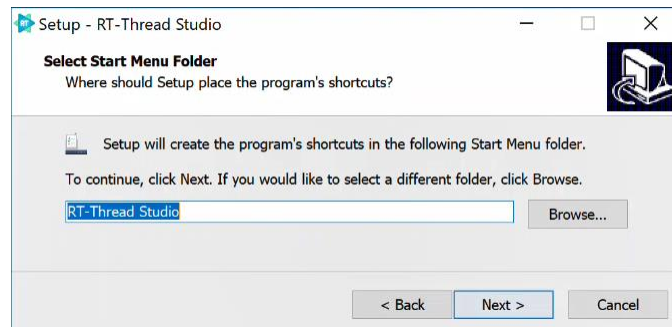
10) **Accept** the license agreement and then click **Next**.



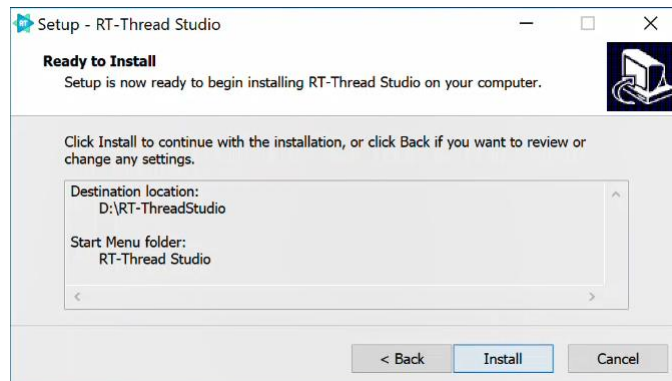
11) Confirm the **Destination Location** and then click **Next**.



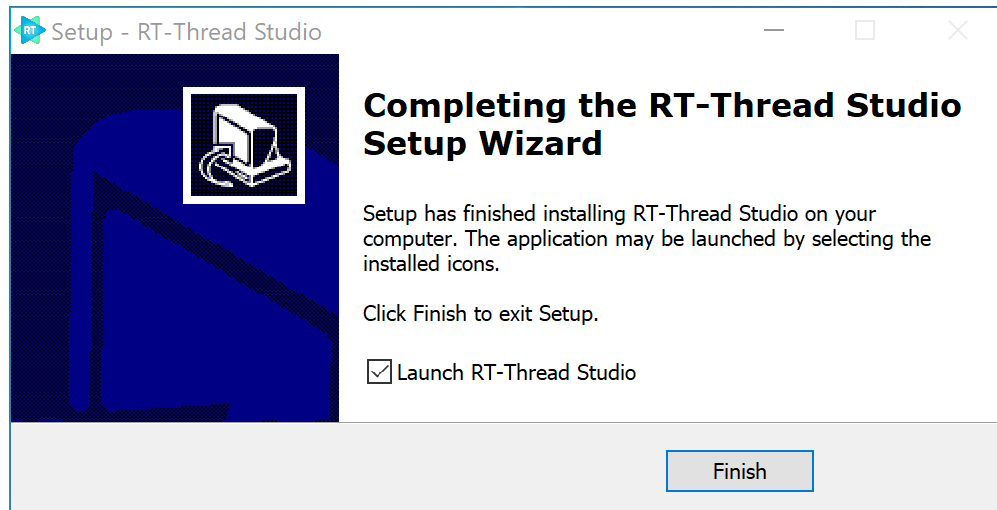
12) Confirm the **Start Menu** folder and then click **Next**.



13) Click **Install**.



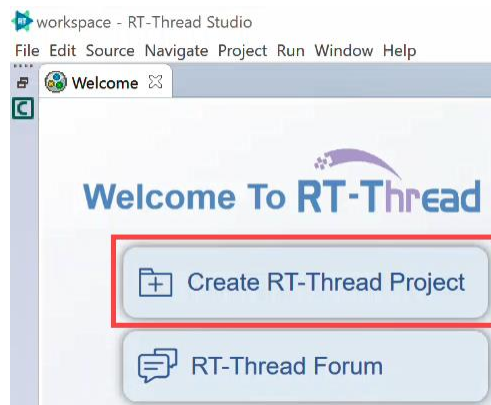
14) **Wait** for the program to install (this can take a while). Then click "**Finish**".



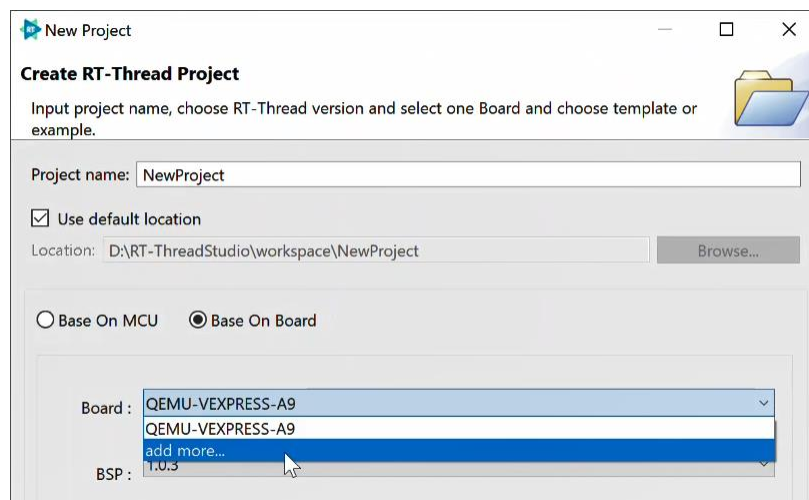
15) If “**Launch RT-Thread Studio**” was selected. The application will open. It might take a while to load the first time.

16) Close the “**Tip of the Day**”. Optionally unselect “**Show on Start**”.

17) Click on “**Create RT-Thread Project**”.

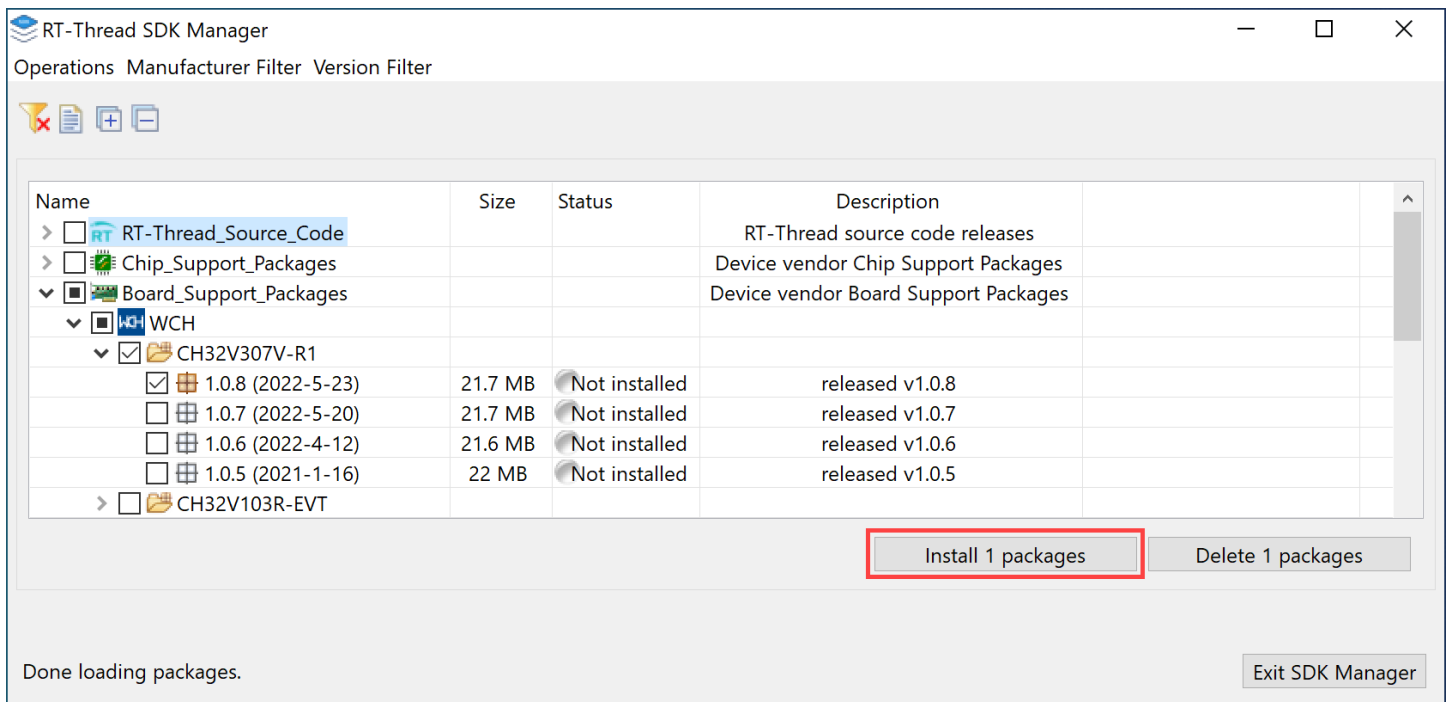


18) Type in a **Project name**. Note: They cannot contain spaces. Select “**Base on board**”. Open the drop-down and select “**add more...**”

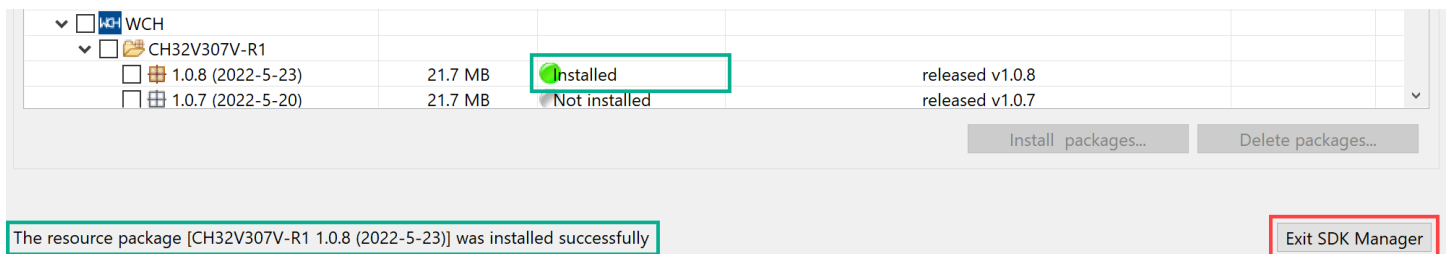


19) In the RT-Thread SDK Manager, navigate to **Board\_Support\_Packages > WCH > CH32V307V-R1**. Select the **latest package**.

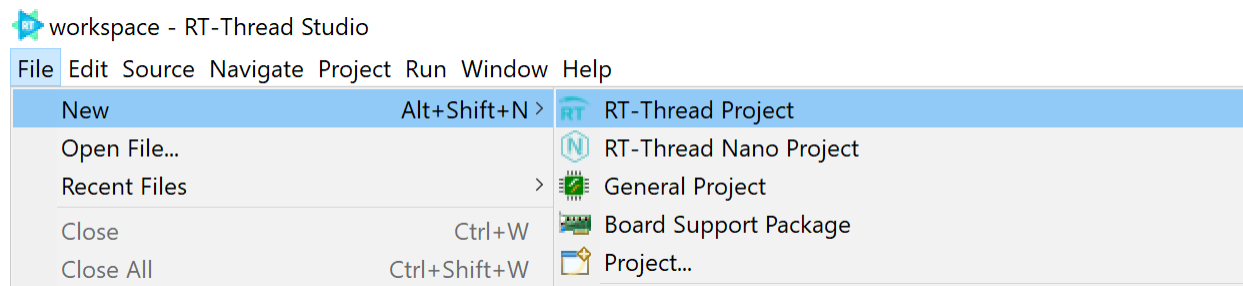
20) Click on “Install 1 package”



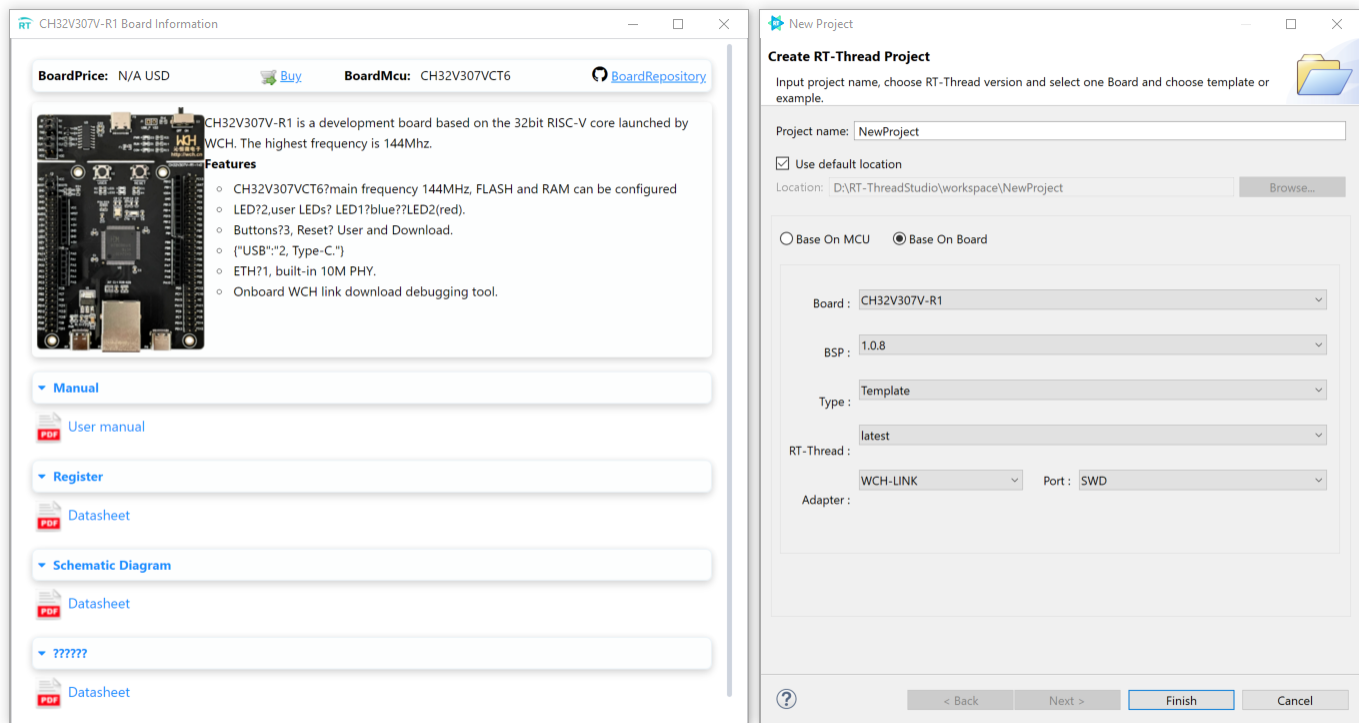
20) Wait for the package to install. This may take a while.



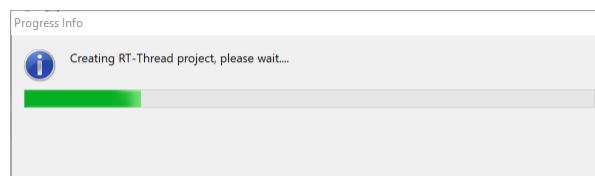
21) If the project wizard closes, open the **File** menu, select **New** and then click on “RT-Thread Project”.



22) Select “Base on Board” and select the “CH32V301V-R1”. Then click **Finish**.



23) Wait for it to create the new RT-Thread project. This may take a while.



24) The project should appear in the “**Project Explorer**”.

