

Lesson 1 Set Development Environment

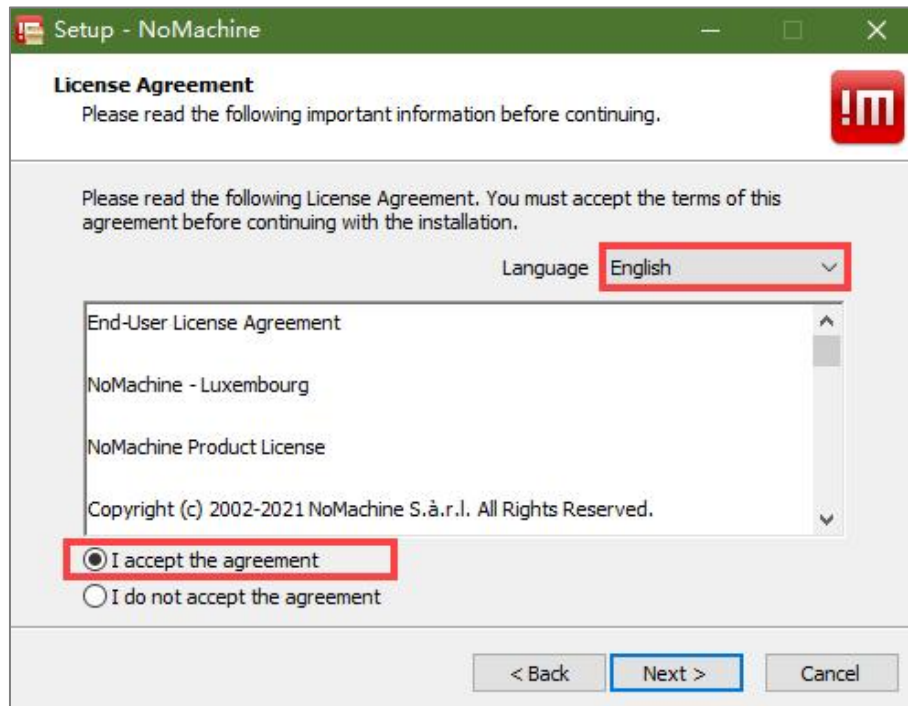
1. Install NoMachine

NoMachine is a free remote desktop access tool. The NX protocol provides near local speed responsiveness over high latency and low bandwidth links, which can break the limitation of space and time.

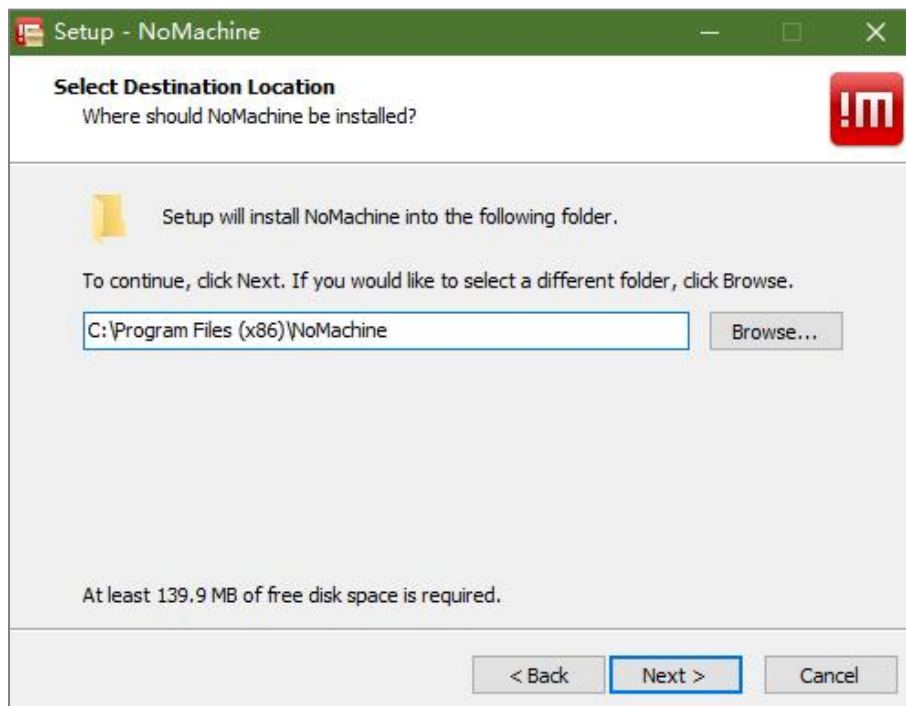
- 1) Prepare a laptop. If using desktop computer, please prepare your own wireless network card (support 5G frequency).
- 2) Double click to open “nomachine_7.1.3_1.exe” and then click “Next”.



- 3) Select “English” as language in the pop-up interface and click “I accept the agreement”. Then click “Next”.



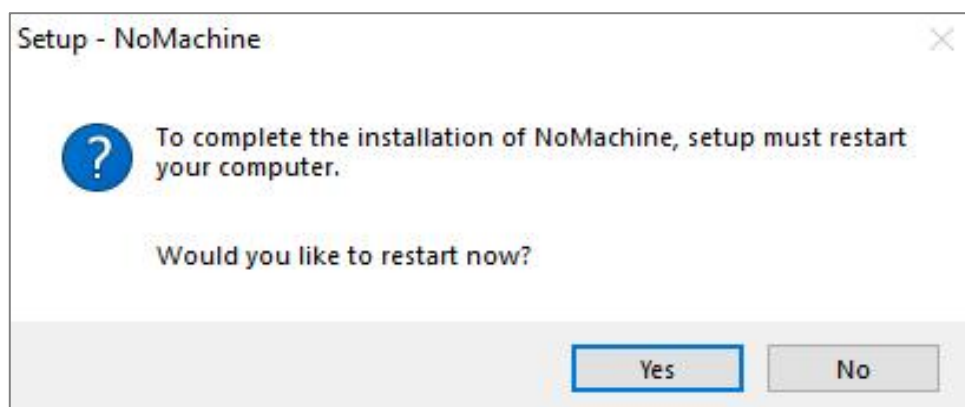
4) Select the path to install software and then click “Next”.



5) Wait for the installation to complete. When completing the installation, click “Finish”.



6) After installing, click “Yes” to restart computer in the pop-up interface.
(Please do not skip this step.)



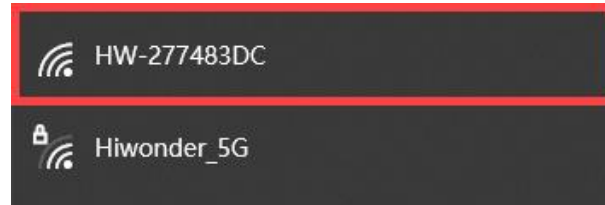
2. Remotely Connect System Desktop

2.1 Device Connection

1) Switch on expansion board, then wait for a while. The LED2 on expansion

board keeps on first and then flashed every two seconds, which means it has been turned on successfully.

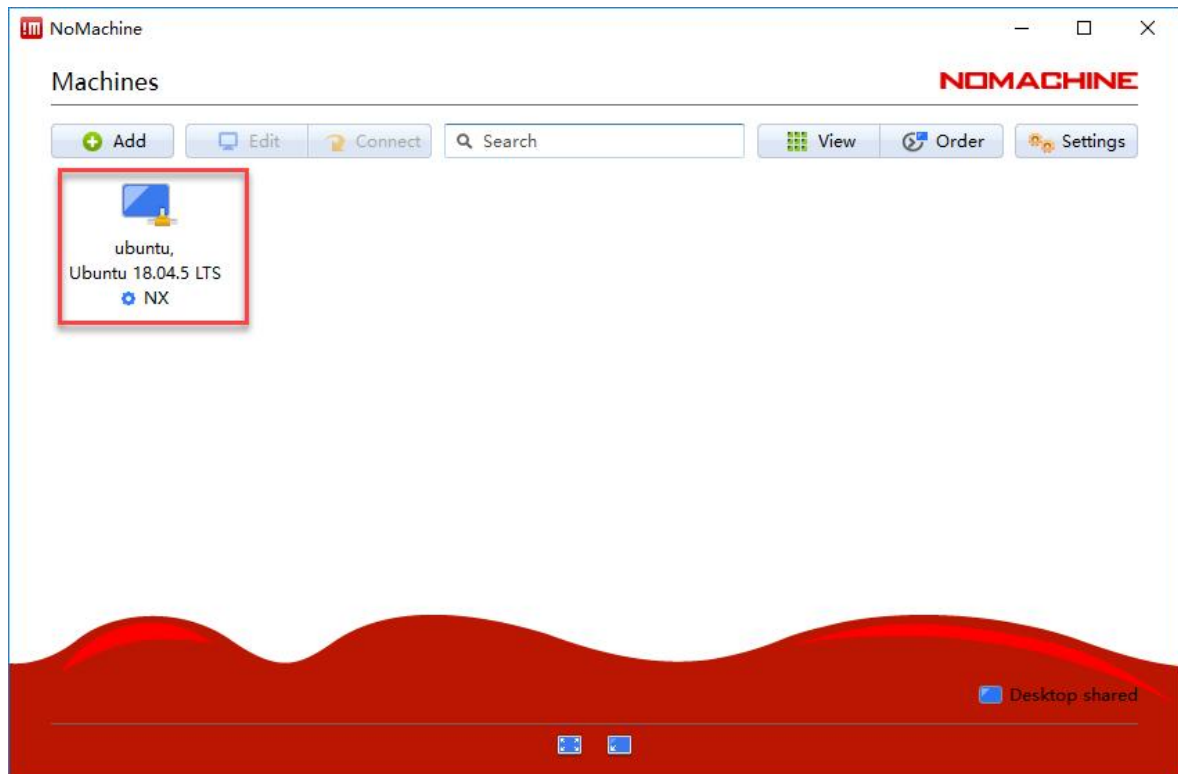
2) ArmPi Pro will generate a hotspot starting with “HW”. We can search this hotspot on computer and connect it.



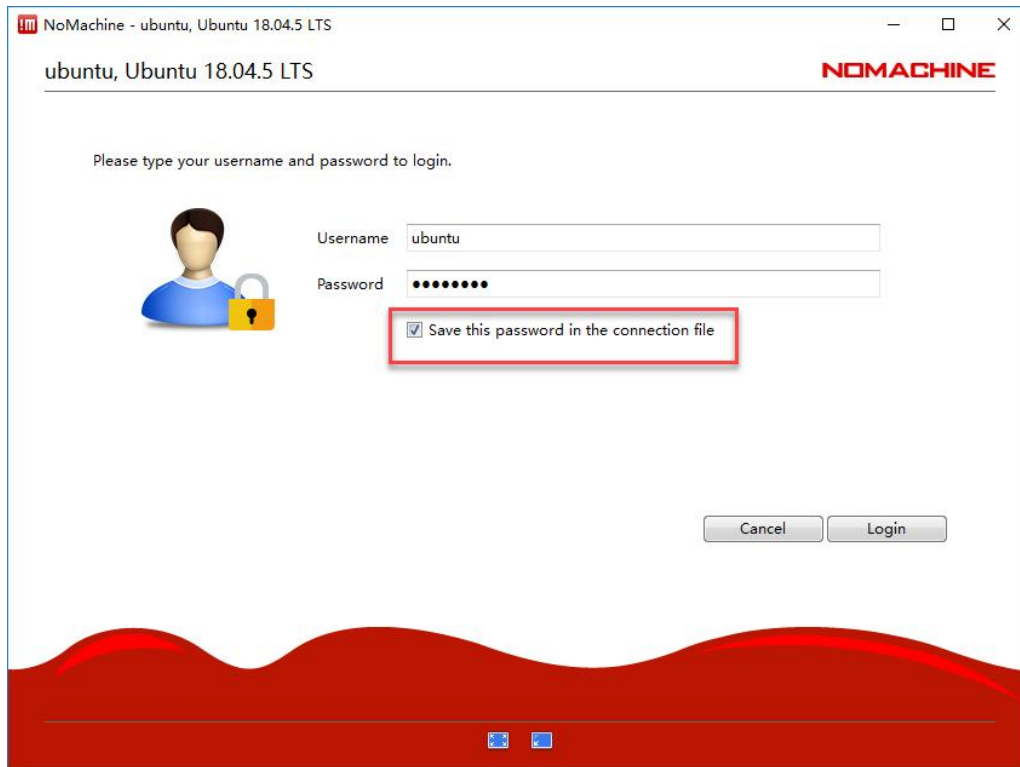
3) After connecting the hotspot, double click to open “NoMachine”.



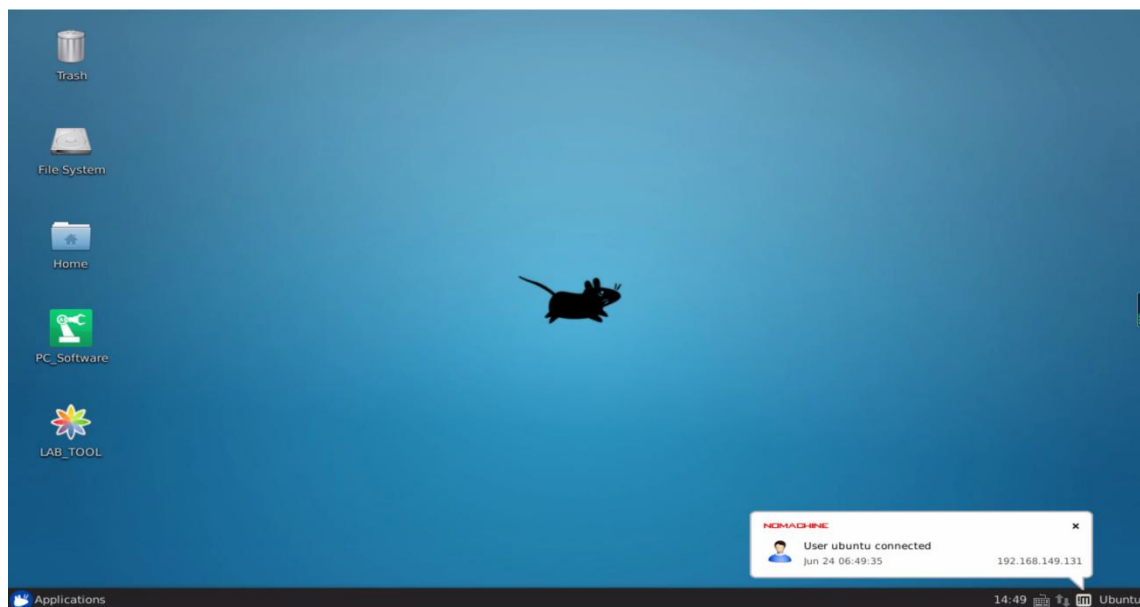
4) Then double click ubuntu icon in the interface.





5) At this time, a prompt interface will pop up, type Username and Password. The Username is “ubuntu” and the password is “hiwonder” , check “Save this password in the connection file” and click “Login”. Then click “OK” in the following pop-up windows and you can find Raspberry Pi remote desktop.



6) If a warning dialog box (the characteristic of Raspberry Pi) appears in desktop, click "Cancel" to close it. (If the black screen with a mouse cursor appears, you can try to restart Raspberry Pi.)



2.2 Start Command Line

- 1) Click  Applications in the lower left corner and select  Terminal Emulator to enter the terminal. (You can also press “Ctrl+T” to open the terminal)

