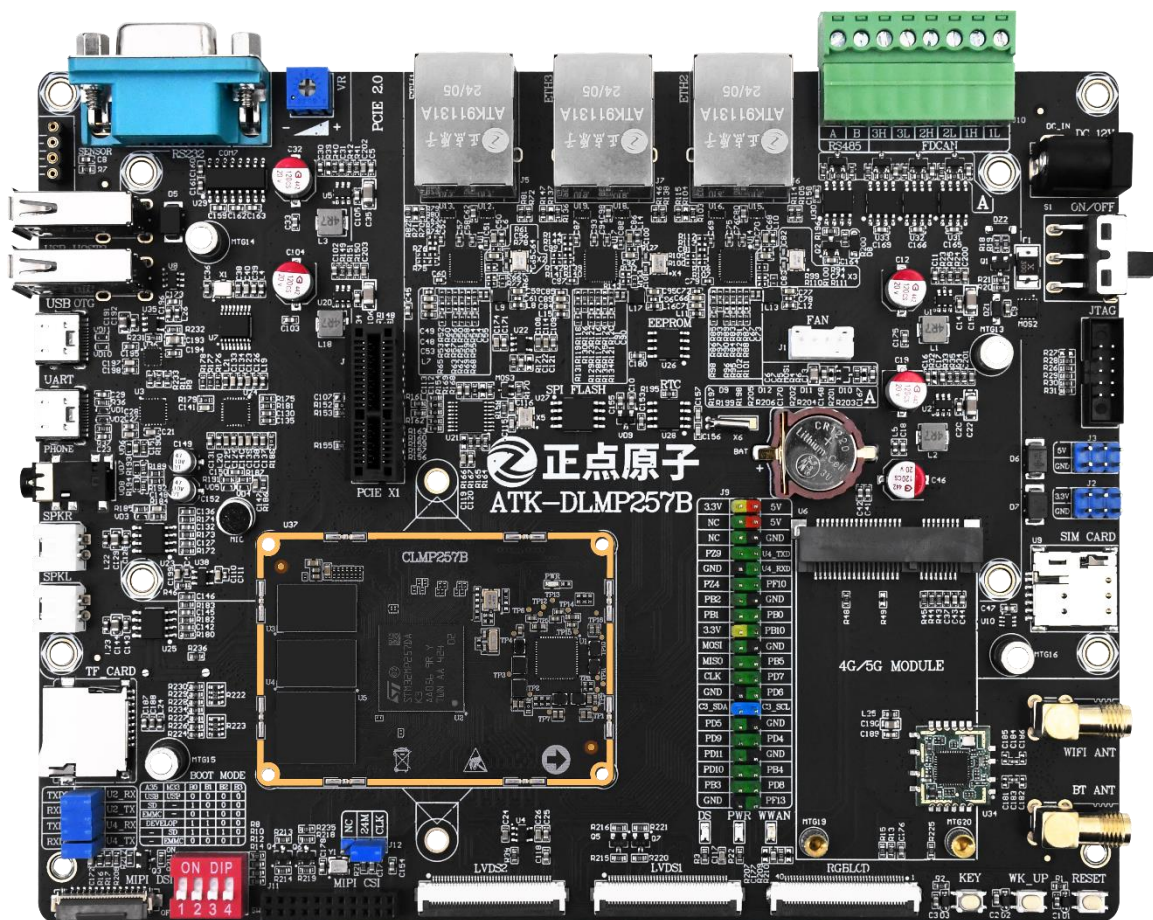


ATK-DLMP257B

A collection of software download methods

V1.0



1. Shopping:TMALL: <https://zhengdianyuanzi.tmall.com>TAOBAO: <https://openedv.taobao.com>**2. Download**Address: <http://www.openedv.com/docs/index.html>**3. FAE**Website : www.alientek.comForum : <http://www.openedv.com/forum.php>Videos : www.yuanzige.com

Fax : +86 - 20 - 36773971

Phone : +86 - 20 - 38271790



Disclaimer

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In order to get the latest version of product information, please regularly visit the download center or contact the customer service of Taobao ALIENTEK flagship store. Thank you for your tolerance and support.

Revision History:

| Version | Version Update Notes | Responsible person | Proofreading | Date |
|---------|----------------------|--------------------|--------------|------------|
| V1.0 | release officially | ALIENTEK | ALIENTEK | 2025.04.01 |

Catalogue

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Chapter 1. Serial Port Software Installation

1.1 CH342 USB serial port

We need to install this driver for the computer to communicate with the development board by serial port. Login to the official website of Qinheng <https://www.wch-ic.com/>, download the serial port driver **CH343SER.EXE** and install.

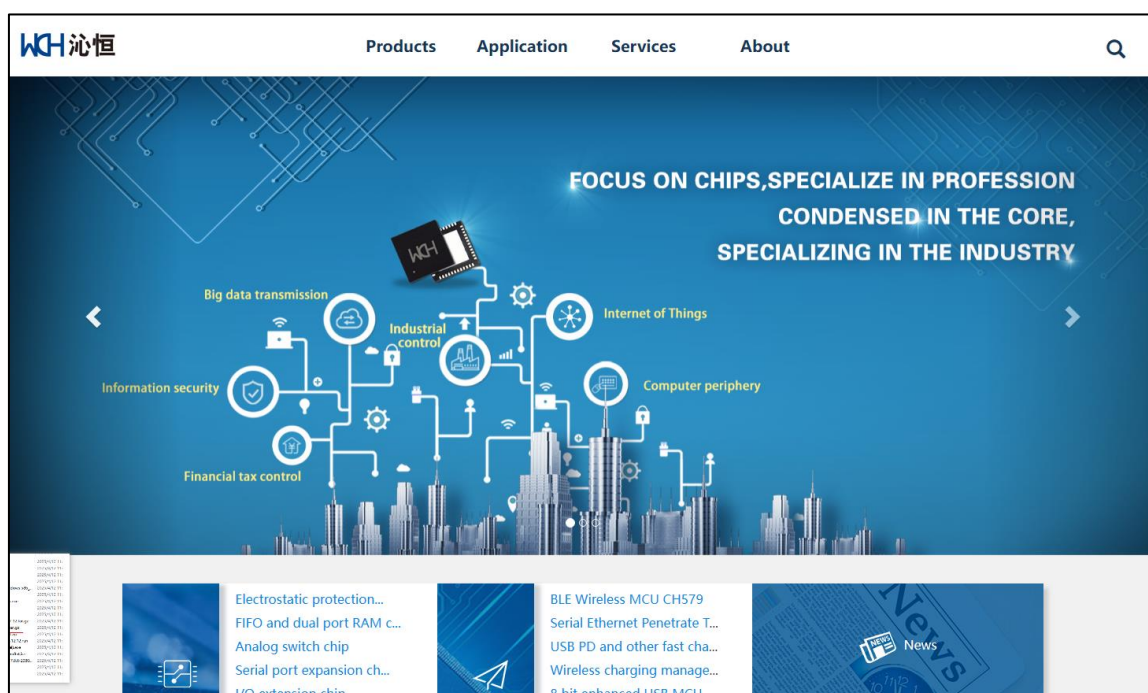


Figure 1.1-1 Install the serial driver

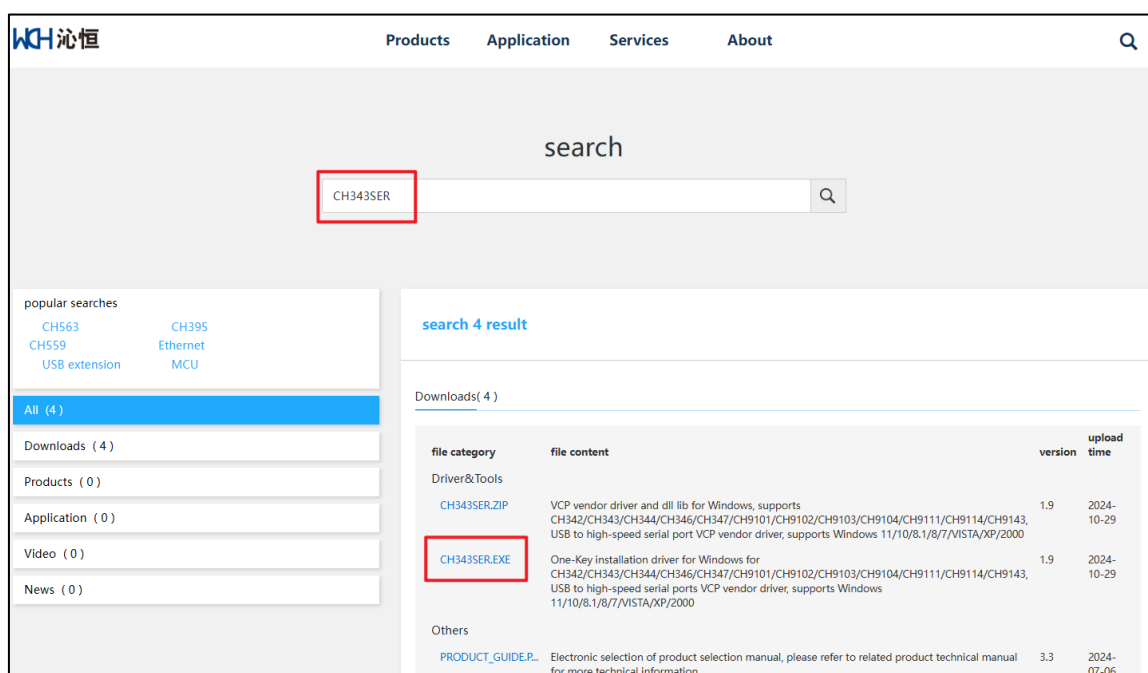


Figure 1.1-2 Search directly for CH343SER.EXE

After searching CH343SER.eEXE directly, the search content will appear below, and you can download it by clicking directly.

1.2 MobaXterm terminal software

Install MobaXterm terminal software (or install Xshell, SecureCRT and other terminal software)

Take, for example, MobaXterm: <https://mobaxterm.mobatek.net/>. Download the installation package from the official website. Double-click to open the package, wait for it to be unpacked, and then double-click MobaXterm_installer_12.3.msi to install it. The MobaXterm installer will guide you through the installation.

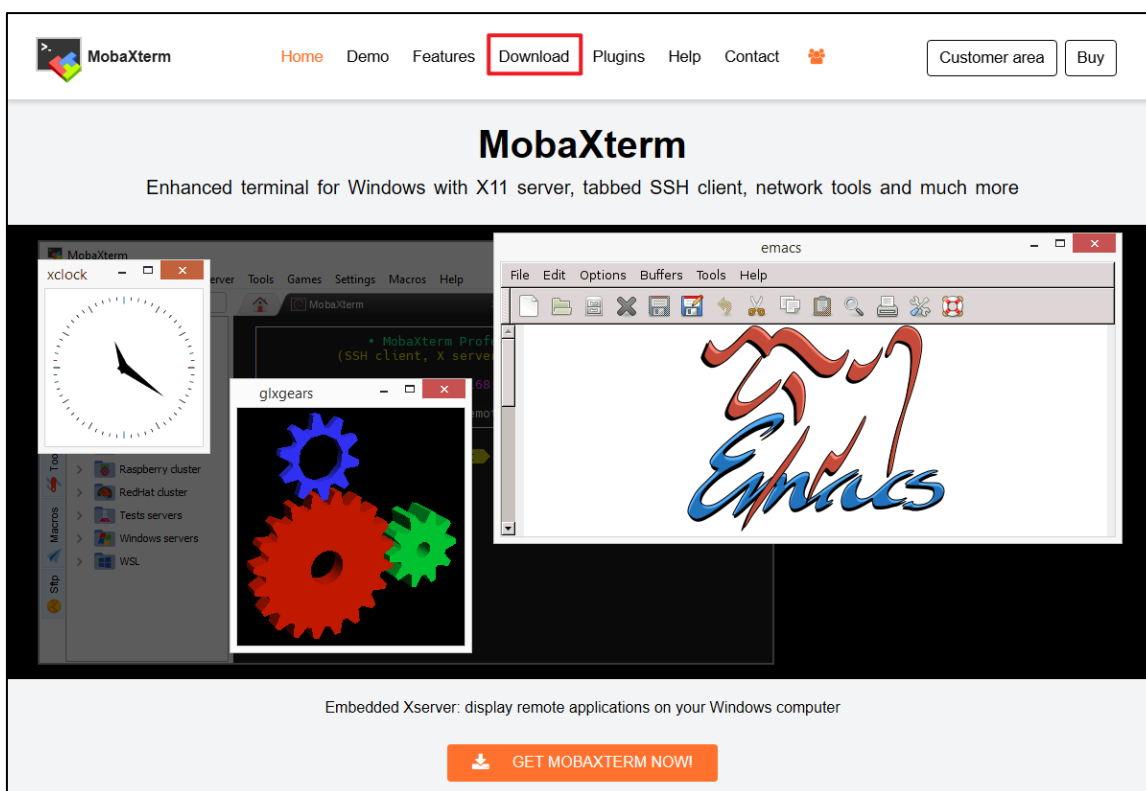


Figure 1.2-1 Log in to the official website

Click Download, then select a version.

MobaXterm Home Demo Features **Download** Plugins Help Contact Customer area Buy

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- Automatic SFTP browser
- Master password protection
- Plugins support
- Portable and installer versions
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- Max. **2** SSH tunnels
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- Max. **360** seconds for Tftp, Nfs and Cron

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Figure 1.2-2 Select version to download

1.3 STM32CubeProgrammer

We use STM32CubeProgrammer tools for burning system under Windows, we can go to the ST's official website https://www.st.com.cn/content/st_com/zh.html to download the tool.

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New Stellar MCUs offer a simpler, scalable platform for developing software-defined vehicles and integrating electric vehicle architectures

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Figure 1.3-1 Go to the official website

The screenshot shows the STMicroelectronics website interface. At the top, there are navigation links for Careers, Sample & buy, Support & community, and language options (日本語, 中文, English). Below the navigation bar, there is a search bar with the text "STM32CubeProgrammer" entered. To the right of the search bar are links for "My bookmark" and "Search History". Below the search bar, there are tabs for "Products", "Tools & Software (4)", "Resources (498)", "Videos (2)", "Solutions", "Applications", "Publications (7)", "X-Reference", and "All site". The "Tools & Software (4)" tab is selected. On the left side, there are sections for "REFINE BY TYPE" and "REFINE BY VENDOR". The "REFINE BY TYPE" section shows "Development tools (4)". The "REFINE BY VENDOR" section shows "ST (4)". The main content area displays a table with 4 tools & software: STM32CubeProgrammer. The table has columns for Part Number, Status, Type, Category, and Description. The first row, "STM32CubeProg", is highlighted with a red box. The description for this row is "STM32CubeProgrammer software for all STM32".

| Part Number | Status | Type | Category | Description |
|----------------|--------|-------------------|----------------------------|----------------------------------------------------------------------------|
| STM32CubeProg | ACTIVE | Development Tools | Software Development Tools | STM32CubeProgrammer software for all STM32 |
| FLASHER-STM32 | NRND | Development Tools | Software Development Tools | STM32 Flash loader demonstrator (UM0462) (replaced by STM32CubeProgrammer) |
| STVP-LIB-STM32 | NRND | Development Tools | Software Development Tools | STVP programming toolkit (replaced by STM32CubeProgrammer) |
| STVP-STM32 | NRND | Development Tools | Software Development Tools | ST Visual Programmer STM32 (replaced by STM32CubeProgrammer) |

Figure 1.3-2 Search directly for STM32CubeProgrammer

The screenshot shows the STM32CubeProgrammer software download page. At the top, there is a "Download" button. Below it, there is a section titled "Get Software". This section contains a table with columns for Part Number, General Description, Latest version, Download, and All versions. The table lists four software packages: STM32CubePrg-Lin, STM32CubePrg-Mac, STM32CubePrg-W32, and STM32CubePrg-W64. The row for "STM32CubePrg-W64" is highlighted with a red box. The "Download" column for this row contains a "Get latest" button. Below the table, there is a note: "STMicroelectronics recommends always keeping your software up to date".

| Part Number | General Description | Latest version | Download | All versions |
|------------------|----------------------------------------|----------------|------------|----------------|
| STM32CubePrg-Lin | STM32CubeProgrammer software for Linux | 2.19.0 | Get latest | Select version |
| STM32CubePrg-Mac | STM32CubeProgrammer software for Mac | 2.19.0 | Get latest | Select version |
| STM32CubePrg-W32 | STM32CubeProgrammer software for Win32 | 2.19.0 | Get latest | Select version |
| STM32CubePrg-W64 | STM32CubeProgrammer software for Win64 | 2.19.0 | Get latest | Select version |

STMicroelectronics recommends always keeping your software up to date

Figure 1.3-3 Choose this one

After selecting the version to download, login to the ST account to download.

1.4 FTP Client Software -- FileZilla

Under Windows we use the FileZilla FTP client that this is a free FTP client software, can be downloaded in the FileZilla website, download address is as follows: <https://www.filezilla.cn/download>

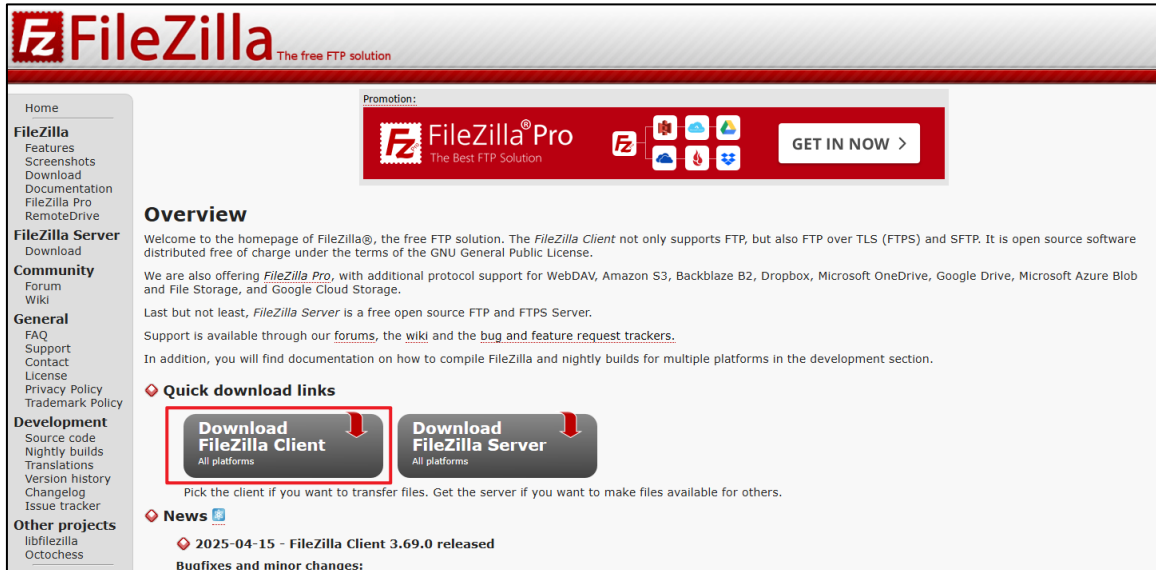


Figure 1.4-1 FileZilla Software Download



Figure 1.4-2 Click to Install

We download the 64-bit version of FileZilla.

1.5 Visual Studio Code

VSCode is a free editor from Microsoft. Available for Windows, Linux, and macOS, VSCode is a cross-platform editor. VSCode download address is <https://code.visualstudio.com/>. The download interface is shown below.

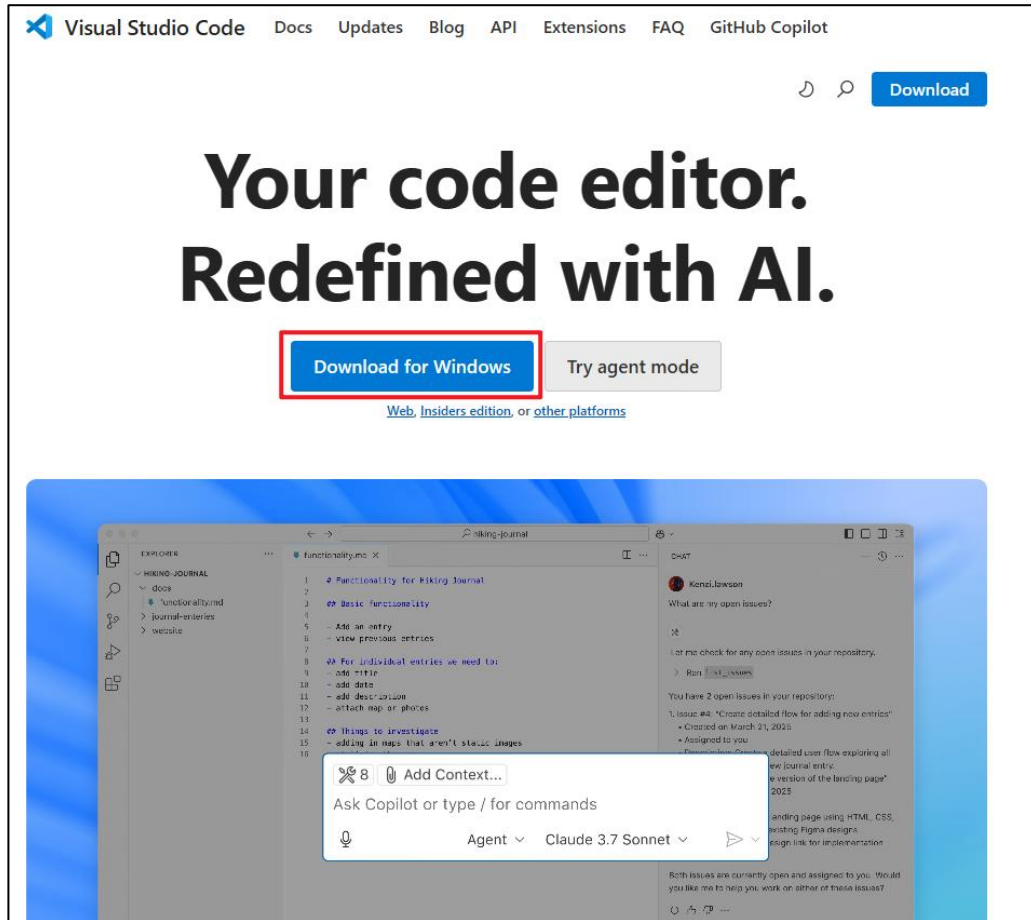


Figure 1.5-1 VSCode download interface

We need both Windows and Linux versions, so after we download the Windows version, we can click other platforms to download the Linux version.

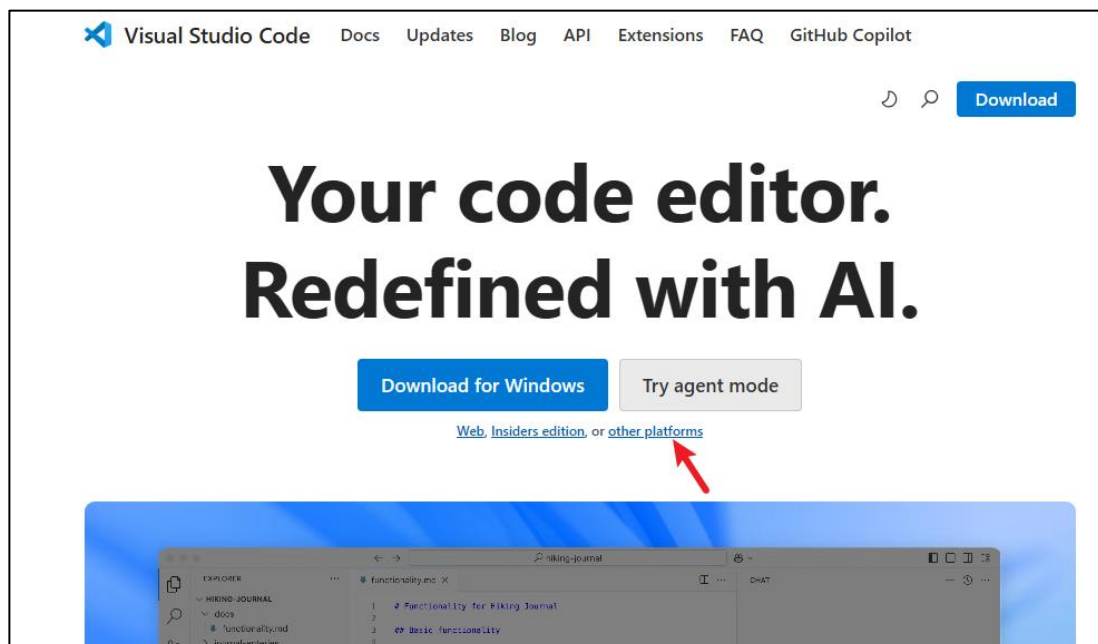



Figure 1.5-2 Other platforms

Visual Studio Code Docs Updates Blog API Extensions FAQ GitHub Copilot

Download


Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows
Windows 10, 11


User Installer x64 Arm64
System Installer x64 Arm64
.zip x64 Arm64
CLI x64 Arm64



↓ .deb
Debian, Ubuntu

↓ .rpm
Red Hat, Fedora, SUSE

.deb x64 Arm32 Arm64
.rpm x64 Arm32 Arm64
.tar.gz x64 Arm32 Arm64
Snap Snap Store
CLI x64 Arm32 Arm64



↓ Mac
macOS 10.15+

.zip Intel chip Apple silicon Universal
CLI Intel chip Apple silicon

Figure 1.5-3 Download the linux version

1.6 VMware Workstation

We used VMware Workstation software to make the virtual machine. VMware Workstation software can be downloaded from the VMware official website at:

<https://www.vmware.com/products/desktop-hypervisor/workstation-and-fusion>

We download the Windows version.

vmware by Broadcom

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Fusion and Workstation

Run Windows, Linux and other virtual machines with VMware Workstation Pro for Windows and Linux or VMware Fusion for Mac, the industry standard desktop hypervisors.

DOWNLOAD FUSION OR WORKSTATION

Product Overview Compare FAQ Resources

Figure 1.6-1 VMware Download page

I use Windows11 here, tested VMware Workstation17 version can be used, if it is a lower version of the system, you can use a lower version of VMware Workstation, some versions of the system may not be compatible with the situation.

1.7 Ubuntu

Ubuntu system image in the Ubuntu website access, download address is: <https://www.ubuntu.com/download/desktop>, as shown in the figure below:

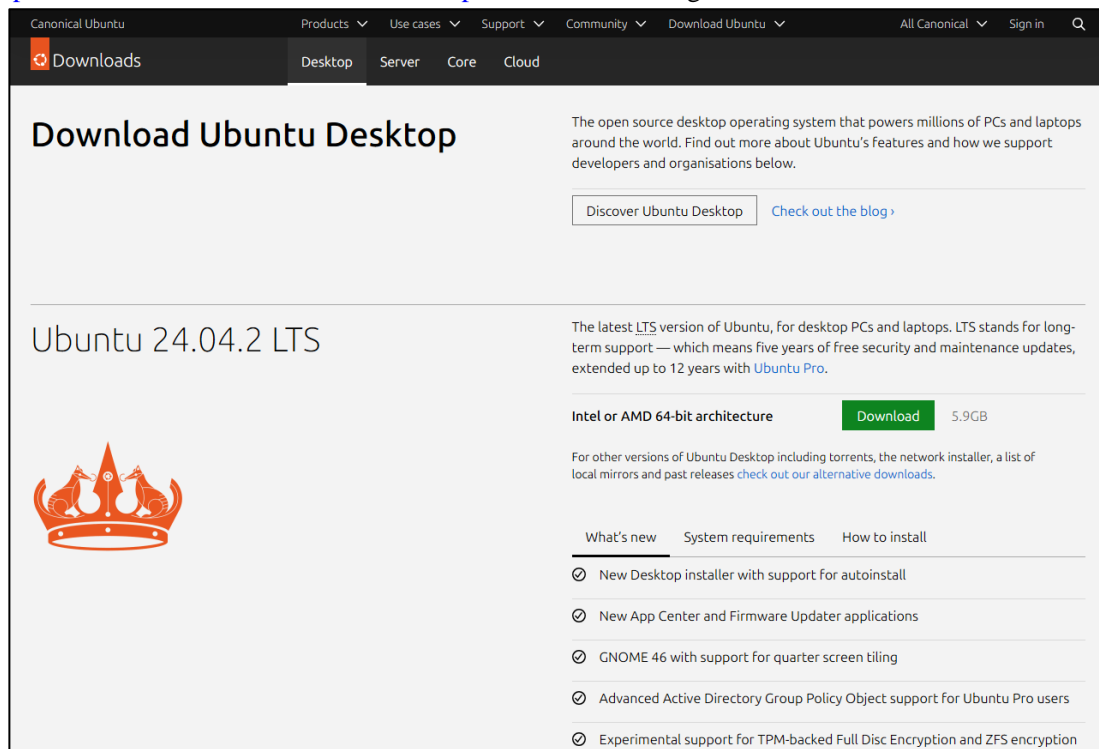


Figure 1.7-1 Ubuntu Download

As shown in the figure, we download the latest version 24.04.2.