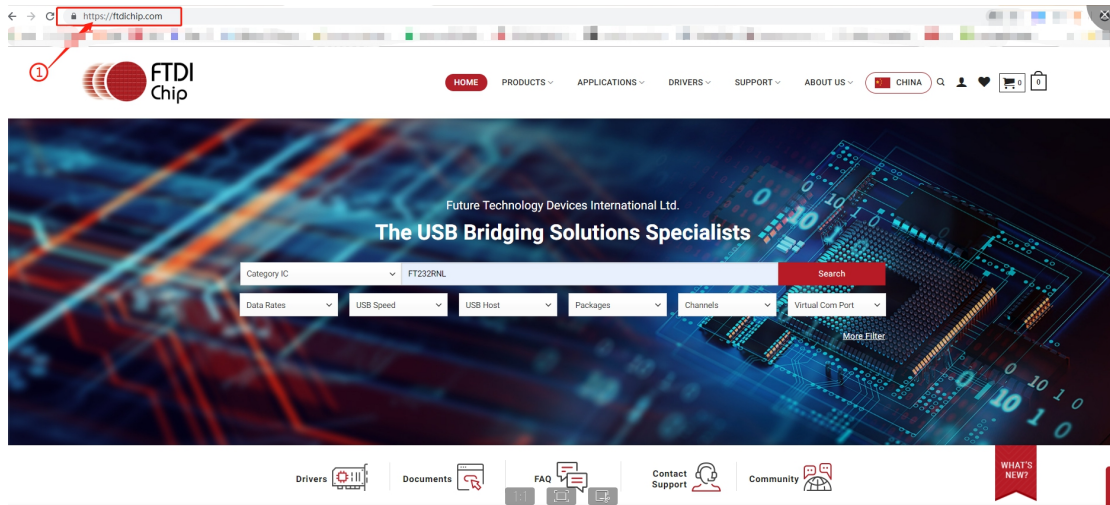
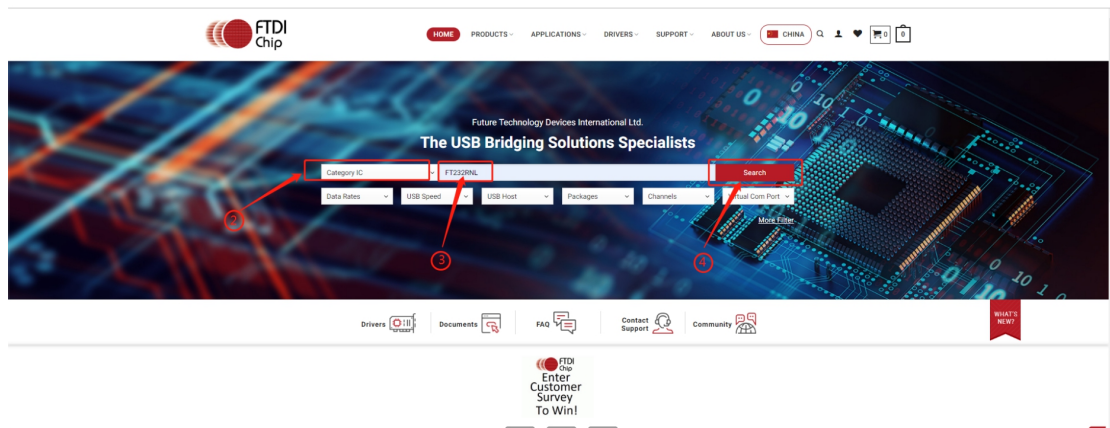


Step1: Please visit the FTDI official website: <https://ftdichip.com>

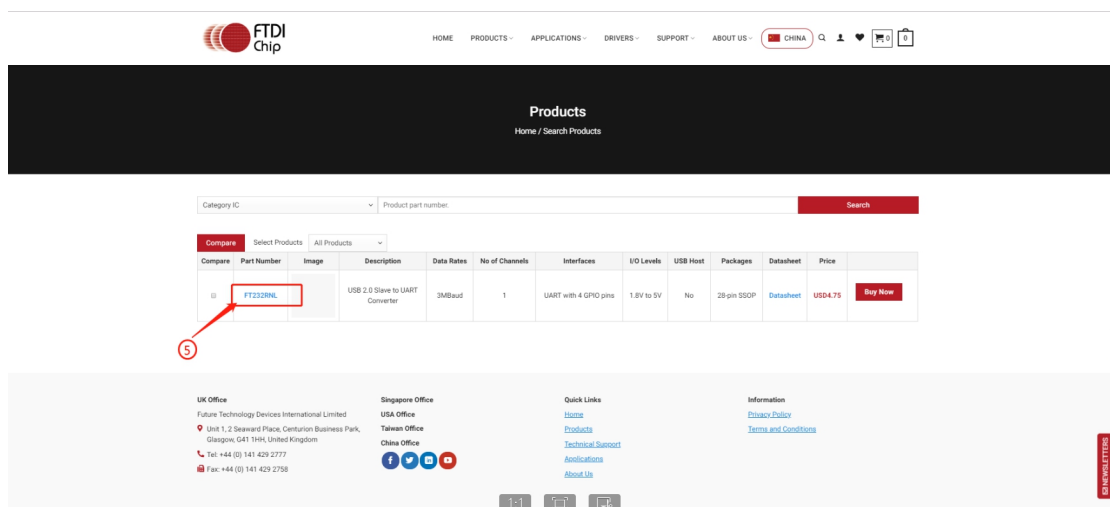


Step2: Please select "Category IC".

Step3: Please Enter the chip model FT232RNL, and click Search to search;



Step5: Please click FT232RNL.



Step6: Click on the "Drivers" icon.

Step7: Select VCP Drivers or D2XX Drivers according to your needs;

Part No: FT232RLN
 USB Full Speed to Serial UART IC, Includes Oscillator and EEPROM, SSOP-28
 USB 2.0 Slave to UART Converter

Data Rates: 3Mbaud
 USB Transfer Modes: Bulk
 USB Host: No
 Channels: 1
 USB Class: Vendor
 Operating Temperature: -40°C to +85°C

USB Speed: Full Speed (12Mbps)
 Interfaces: UART with 4 GPIO pins
 Packages: 28-pin SSOP
 I/O Voltage: 1.8V to 5V
 Virtual Com Port: Yes

| Order Quantity | Price per Unit |
|----------------|----------------|
| 1 - 9 | USD4.75 |
| 10 - 49 | USD4.30 |
| 50 - 99 | USD4.10 |
| 100 - 249 | USD3.90 |
| 250 - 499 | USD3.50 |
| 500 - 999 | USD3.10 |
| 1000 + | Ask for quote |

Standard Price (Easy checkout)

Q Device Overview Documentation **Drivers** Downloads

VCP Drivers
 D2XX Drivers

Step 8 & 9: Please click on the corresponding driver to download.

changes and subsequent WMLK re-certification as a result of making these changes.
 For more detail on FTDI Chip Driver licence terms, please [click here](#).

Currently Supported VCP Drivers:
 Subscribe to Our Driver Updates

| Operating System | Release Date | Processor Architecture | | | | | | | | Comments |
|-------------------------------|--------------|--|---|------------------------|--|--------------------------|--------------------------|--------------------------|--|----------|
| | | X86 (32-Bit) | X64 (64-Bit) | PPC | ARM | MIPS1 | MIPSV | SH4 | | |
| Windows (Desktop)* | 2021-07-15 | 2.12.36.4 | 2.12.36.4 | - | 2.12.36.4A**** | - | - | - | WinQL Certified. Includes VCP and D2XX. Available as a beta pre-release . Please read the Release Notes and Installation Guides . | |
| Windows (Universal)*** | 2021-11-12 | 2.12.36.4U | 2.12.36.4U | - | - | - | - | - | WinQL Certified. Includes VCP and D2XX. | |
| Linux | - | - | - | - | - | - | - | - | FTDI devices now supported in Ubuntu 11.10, kernel 2.6.30-19. Refer to TN-101 if you need a custom VCP VID/PID in Linux. VCP drivers are integrated into the kernel. | |
| Mac OS X 10.3 to 10.8 | 2012-08-10 | 2.2.18 | 2.2.18 | 2.2.18 | - | - | - | - | Refer to TN-105 if you need a custom VCP VID/PID in MAC OS. | |
| Mac OS X 10.9 to 10.13 | 2019-12-24 | - | 2.4.2 | - | - | - | - | - | This driver is signed by Apple. | |
| Mac OS X 10.14 | 2019-12-24 | - | 2.4.4 | - | - | - | - | - | This driver is signed by Apple. | |
| Mac OS X10.15 and macOS 11/12 | 2022-06-13 | - | 1.5.0 (beta) 1.5.0 (final) | - | - | - | - | - | This is a Beta driver release and the installer should be run from the Applications folder on your machine. | |
| Windows CE 4.2-5.2** | 2012-01-06 | 1.1.0.20 | - | - | 1.1.0.20 | 1.1.0.10 | 1.1.0.10 | 1.1.0.10 | | |
| Windows CE 6.07.0 | 2016-11-03 | 1.1.0.22 CE 6.0.CAT | - | - | 1.1.0.22 CE 6.0.CAT | 1.1.0.10 | 1.1.0.10 | 1.1.0.10 | For use of the CAT files supplied for ARM and x86 builds refer to AN_319 . | |
| Windows CE 2013 | 2015-03-06 | 1.0.0 | - | - | CE 7.0.CAT | 1.0.0 | - | - | VCP Driver Support for WinCE2013 | |

Windows CE 4.2-5.2 based operating systems: Windows Mobile 2003, Windows Mobile 2003 SE, Windows Mobile 5, Windows Mobile 6, Windows Mobile 6.1, Windows Mobile 6.5

Windows CE 2013: Windows CE 2013 R2, Windows CE 2013 R2.2, Windows CE 2013 R2.3, Windows CE 2013 R2.4, Windows CE 2013 R2.5, Windows CE 2013 R2.6, Windows CE 2013 R2.7, Windows CE 2013 R2.8, Windows CE 2013 R2.9, Windows CE 2013 R2.10, Windows CE 2013 R2.11, Windows CE 2013 R2.12, Windows CE 2013 R2.13, Windows CE 2013 R2.14, Windows CE 2013 R2.15, Windows CE 2013 R2.16, Windows CE 2013 R2.17, Windows CE 2013 R2.18, Windows CE 2013 R2.19, Windows CE 2013 R2.20, Windows CE 2013 R2.21, Windows CE 2013 R2.22, Windows CE 2013 R2.23, Windows CE 2013 R2.24, Windows CE 2013 R2.25, Windows CE 2013 R2.26, Windows CE 2013 R2.27, Windows CE 2013 R2.28, Windows CE 2013 R2.29, Windows CE 2013 R2.30, Windows CE 2013 R2.31, Windows CE 2013 R2.32, Windows CE 2013 R2.33, Windows CE 2013 R2.34, Windows CE 2013 R2.35, Windows CE 2013 R2.36, Windows CE 2013 R2.37, Windows CE 2013 R2.38, Windows CE 2013 R2.39, Windows CE 2013 R2.40, Windows CE 2013 R2.41, Windows CE 2013 R2.42, Windows CE 2013 R2.43, Windows CE 2013 R2.44, Windows CE 2013 R2.45, Windows CE 2013 R2.46, Windows CE 2013 R2.47, Windows CE 2013 R2.48, Windows CE 2013 R2.49, Windows CE 2013 R2.50, Windows CE 2013 R2.51, Windows CE 2013 R2.52, Windows CE 2013 R2.53, Windows CE 2013 R2.54, Windows CE 2013 R2.55, Windows CE 2013 R2.56, Windows CE 2013 R2.57, Windows CE 2013 R2.58, Windows CE 2013 R2.59, Windows CE 2013 R2.60, Windows CE 2013 R2.61, Windows CE 2013 R2.62, Windows CE 2013 R2.63, Windows CE 2013 R2.64, Windows CE 2013 R2.65, Windows CE 2013 R2.66, Windows CE 2013 R2.67, Windows CE 2013 R2.68, Windows CE 2013 R2.69, Windows CE 2013 R2.70, Windows CE 2013 R2.71, Windows CE 2013 R2.72, Windows CE 2013 R2.73, Windows CE 2013 R2.74, Windows CE 2013 R2.75, Windows CE 2013 R2.76, Windows CE 2013 R2.77, Windows CE 2013 R2.78, Windows CE 2013 R2.79, Windows CE 2013 R2.80, Windows CE 2013 R2.81, Windows CE 2013 R2.82, Windows CE 2013 R2.83, Windows CE 2013 R2.84, Windows CE 2013 R2.85, Windows CE 2013 R2.86, Windows CE 2013 R2.87, Windows CE 2013 R2.88, Windows CE 2013 R2.89, Windows CE 2013 R2.90, Windows CE 2013 R2.91, Windows CE 2013 R2.92, Windows CE 2013 R2.93, Windows CE 2013 R2.94, Windows CE 2013 R2.95, Windows CE 2013 R2.96, Windows CE 2013 R2.97, Windows CE 2013 R2.98, Windows CE 2013 R2.99, Windows CE 2013 R2.100