tDS-700-UL Series Quick Start

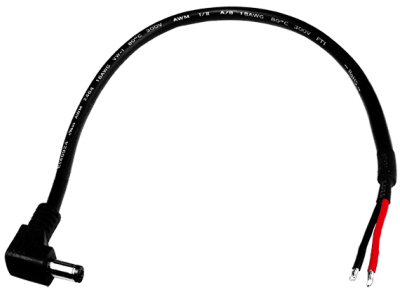
v1.0, Jun 2025

Packing List

In addition to this guide, the package includes the following items:



tDS-700-UL X 1



CA-002-UL

Technical Support

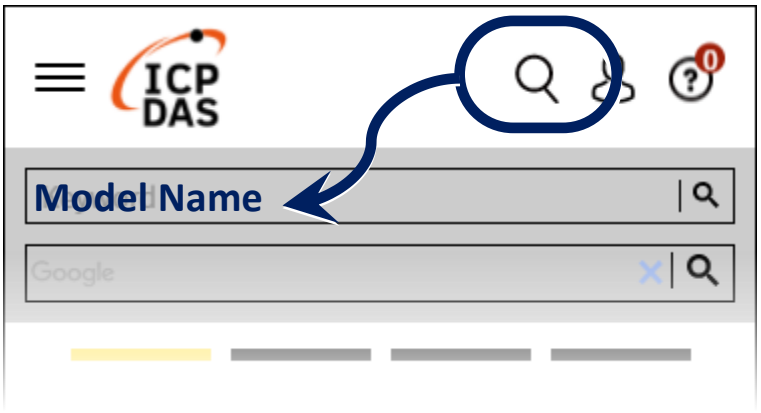
service@icpdas.com

www.icpdas.com

Resources

How to search for drivers, manuals and spec information on ICP DAS website.

- For Mobile Web





Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

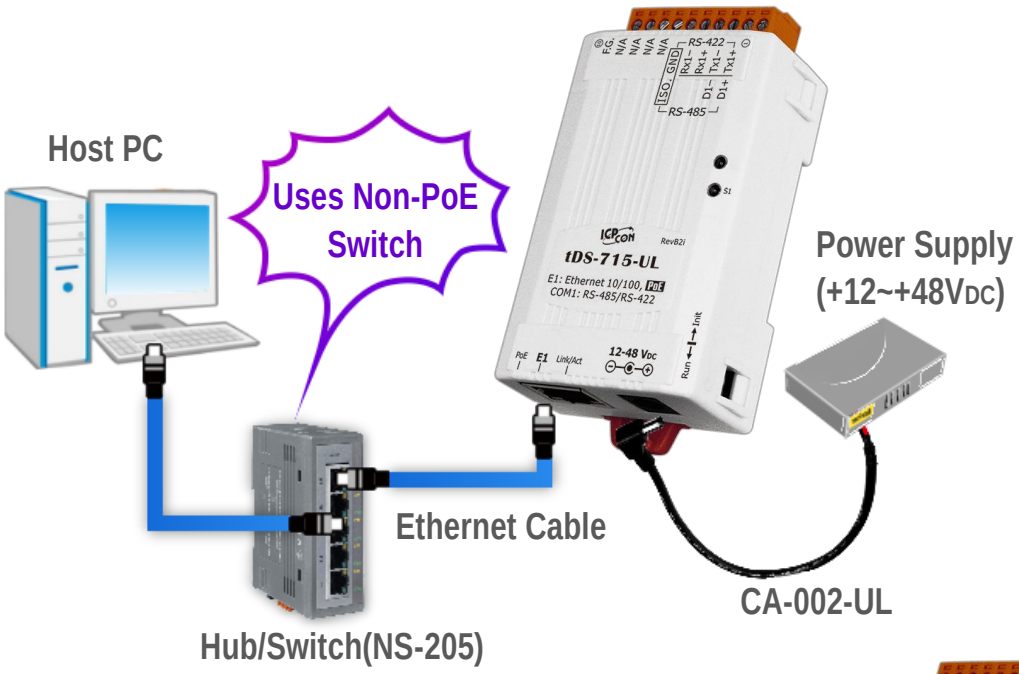
1 Connecting the Power and Host PC

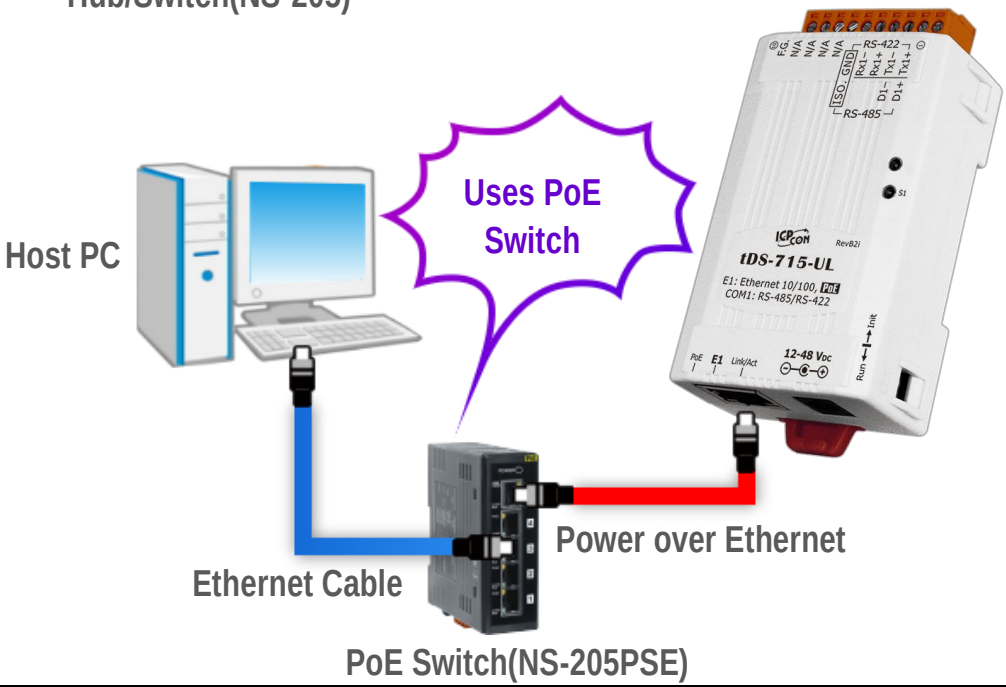
1) Make sure your PC has workable network settings.

Disable or well configure your Windows firewall and Anti-Virus firewall first, else the **"Search Servers"** on **Chapter 4** may not work. (Please contact with your system Administrator)

2) Connect both the tDS-700-UL and your PC to the same sub network or the same Ethernet switch.

3) Supply power (PoE or +12 ~ +48 V_{DC}) to the tDS-700-UL.



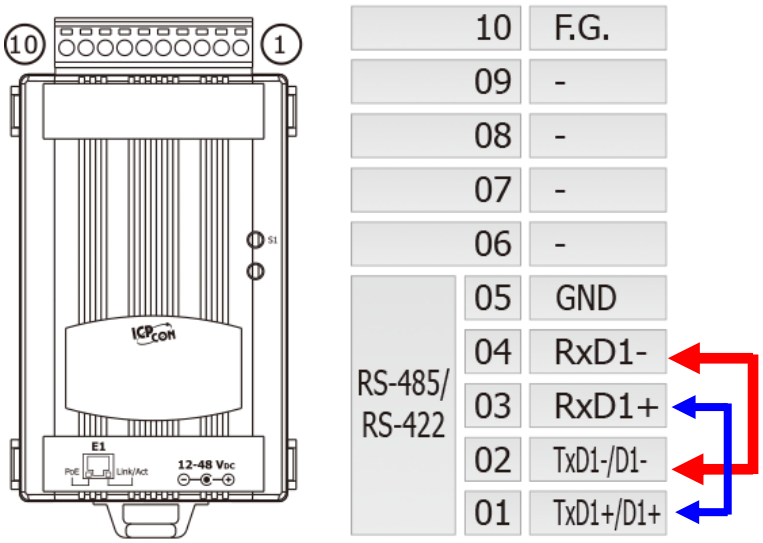


Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

2 Self-Test Wiring

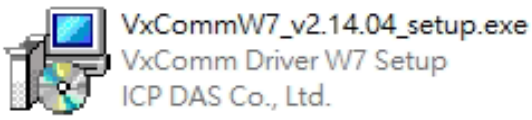
☑: Here, the **RS-422** wiring is used as an example.

➢ **RS-422 Wiring**



3 Installing Software on Your PC

Install VxComm Utility, which can be obtained from the web site:



https://www.icpdas.com/en/download/show.php?num=1199&nation=US&kind1=&model=&kw=vxcomm

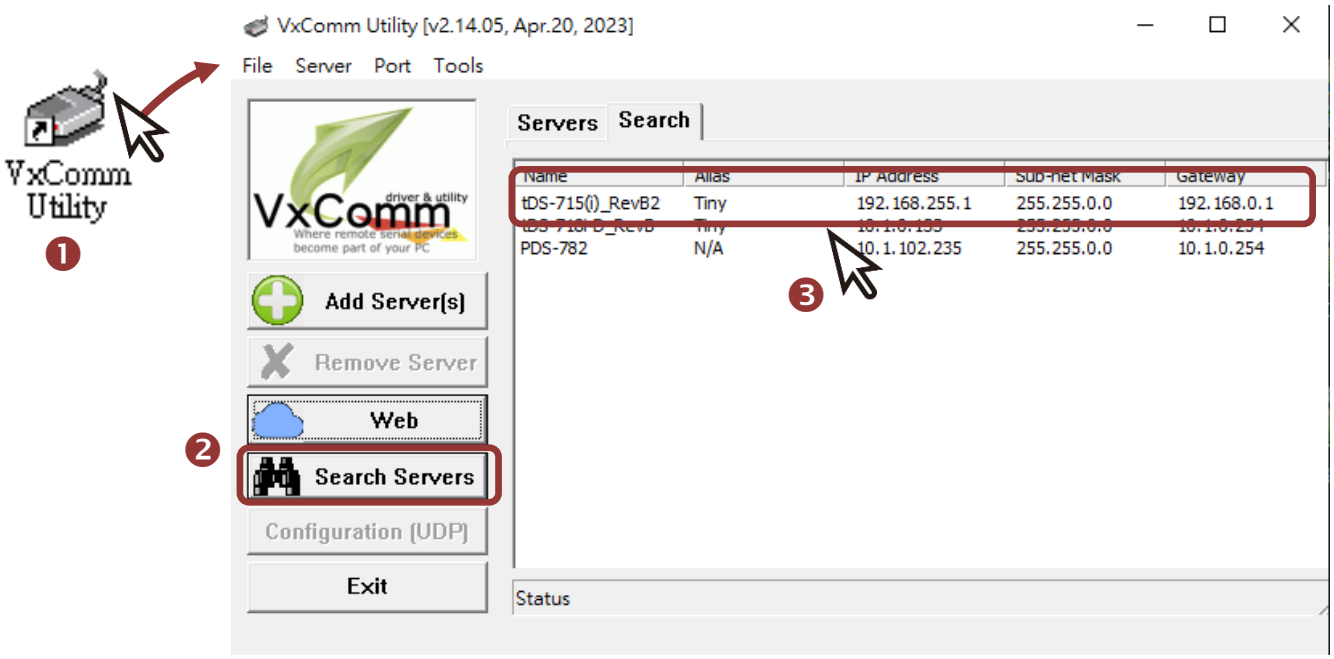
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

4 Configuring Network Setting

1) Double-click the VxComm Utility shortcut on the desktop.

2) Click the **"Search Servers"** to search your tDS-700-UL.

3) Double-click the name of tDS-700-UL to open the **"Configure Server (UDP)"** dialog box.

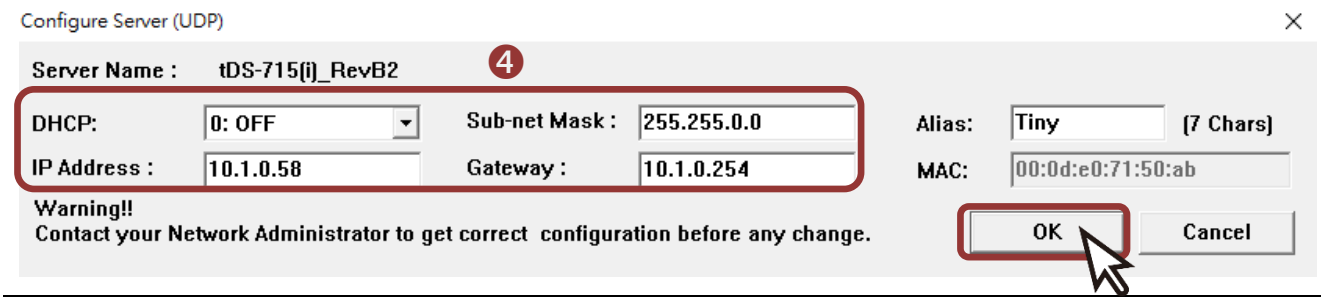


Factory Default Settings of tDS-700-UL:

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

4) Contact your Network Administrator to obtain a correct network configuration (such as **IP/Mask/Gateway**). Enter the network settings and click **"OK".**

⚠ **Note: tDS-700-UL will use the new settings 2 seconds later.**

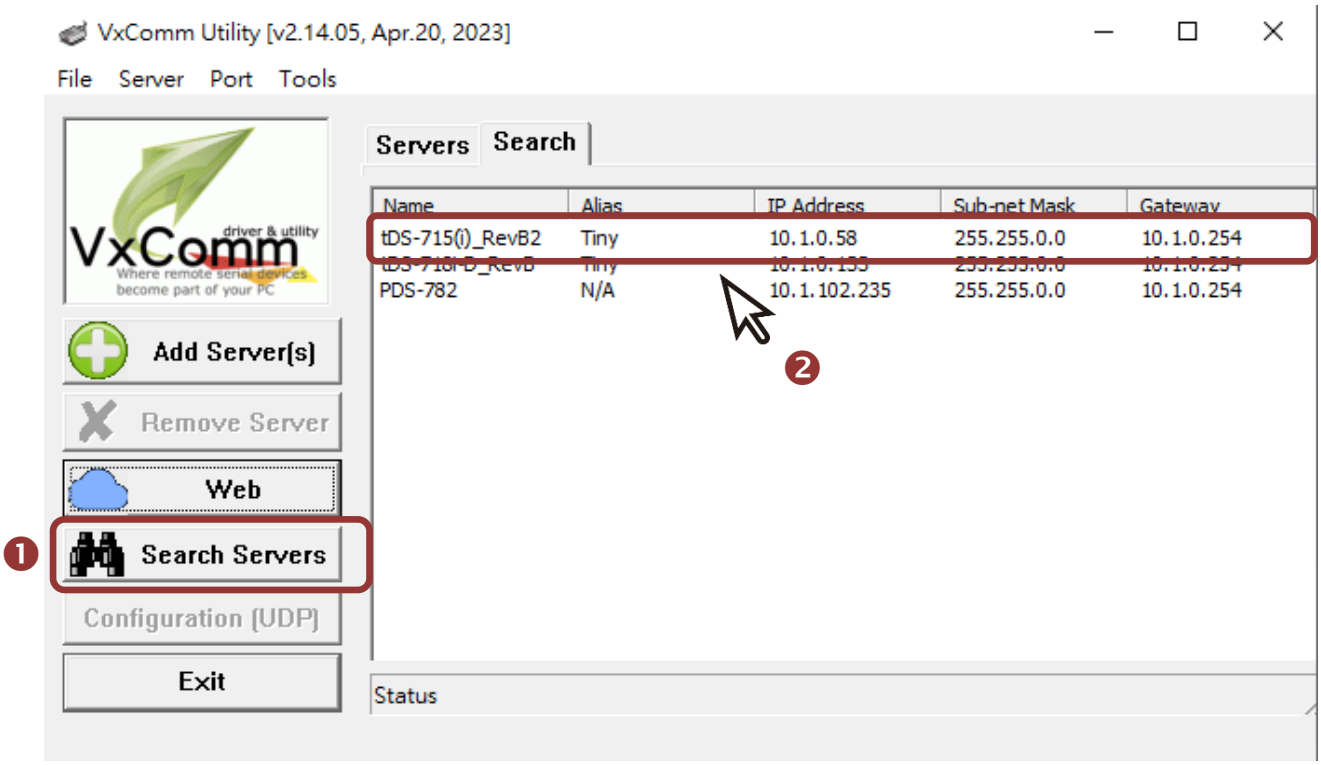


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

5 Configuring Virtual COM Port

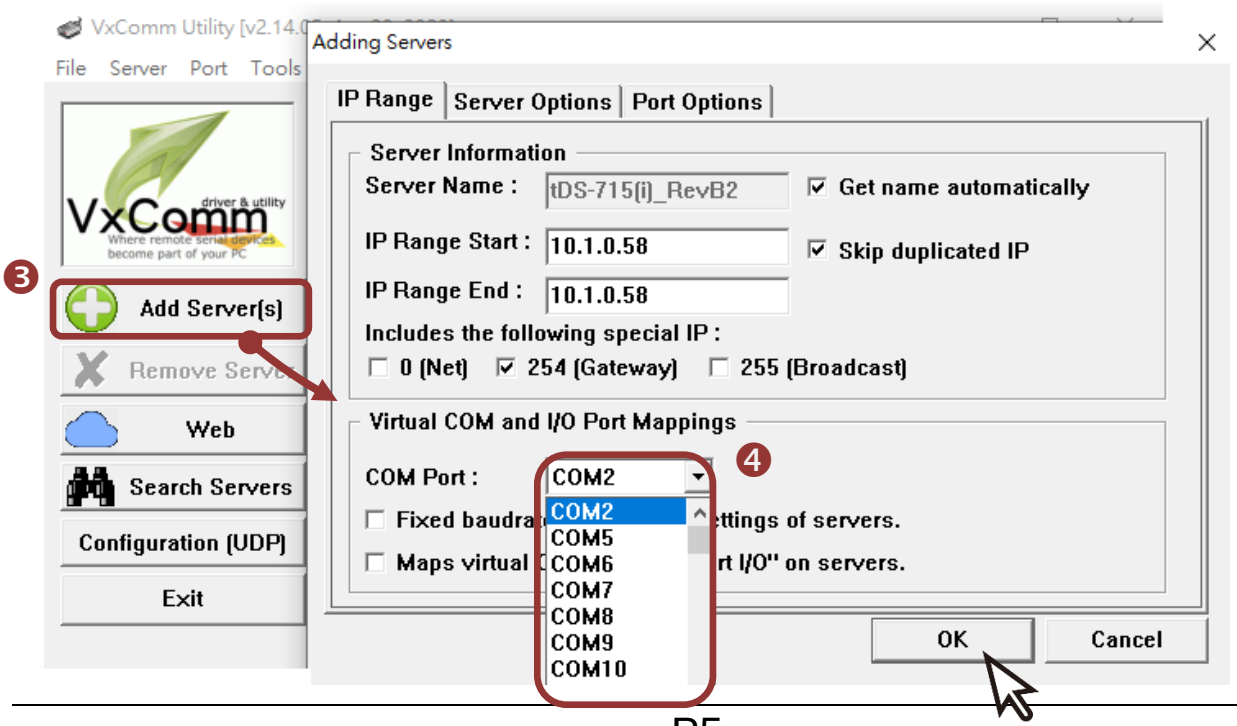
1) Wait 2 seconds and click **“Search Servers”** button again to ensure the tDS-700-UL is working well with new configuration.

2) Click the name of tDS-700-UL to select it.



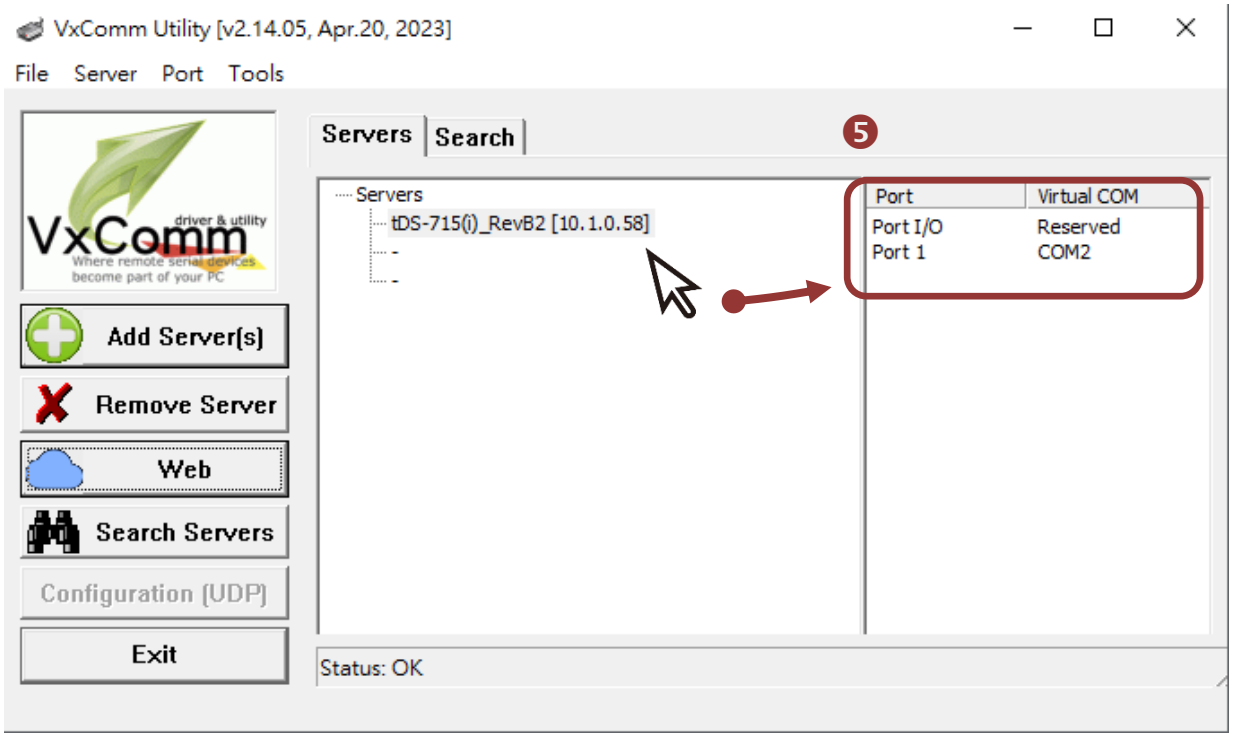
3) Click the “**Add Server[s]**” button.

4) Assign a COM Port number and click “**OK**” to save your settings.



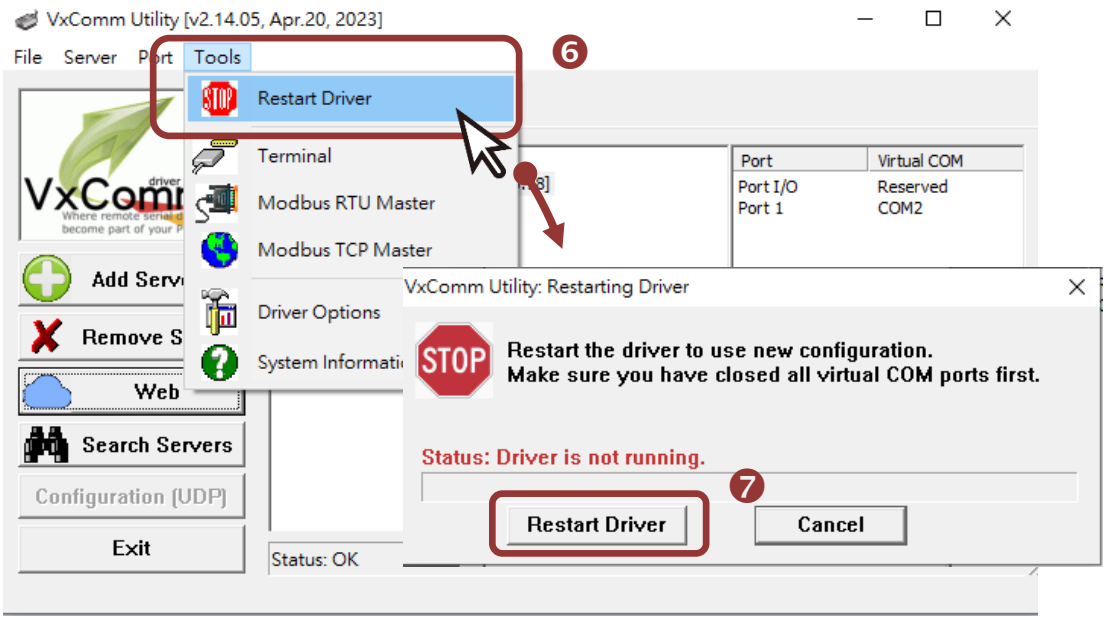
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

5) Click on tDS-700-UL name and check the virtual COM Port mappings on the PC.



6) Click the **"Restart Driver"** item in the **"Tools"** menu to display the "VxComm Utility: Restarting Driver" dialog box.

7) Click the **"Restart Driver"** button.

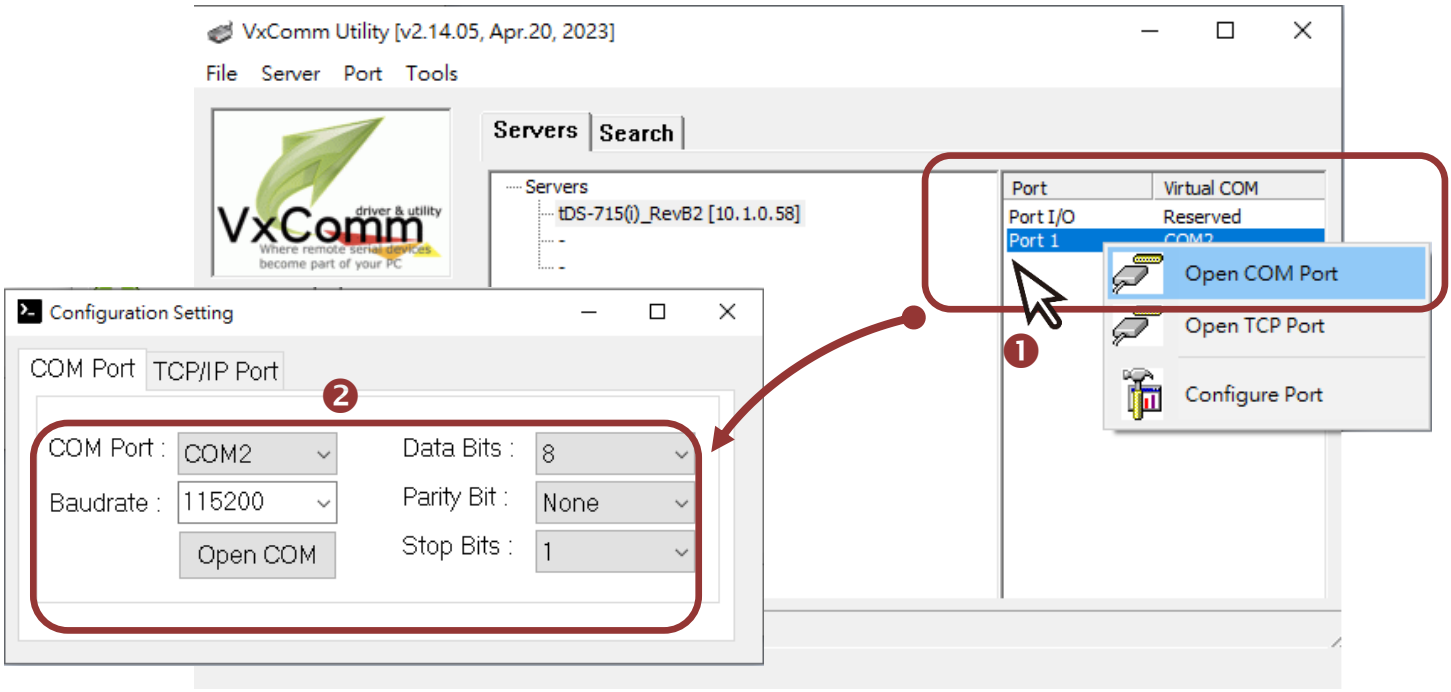


Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

6 Self-Test

1) Right click Port1 and then choose the **“Open COM Port”** item.

2) Check that the configuration of the COM Port is correct and then click the **“Open COM”** button.

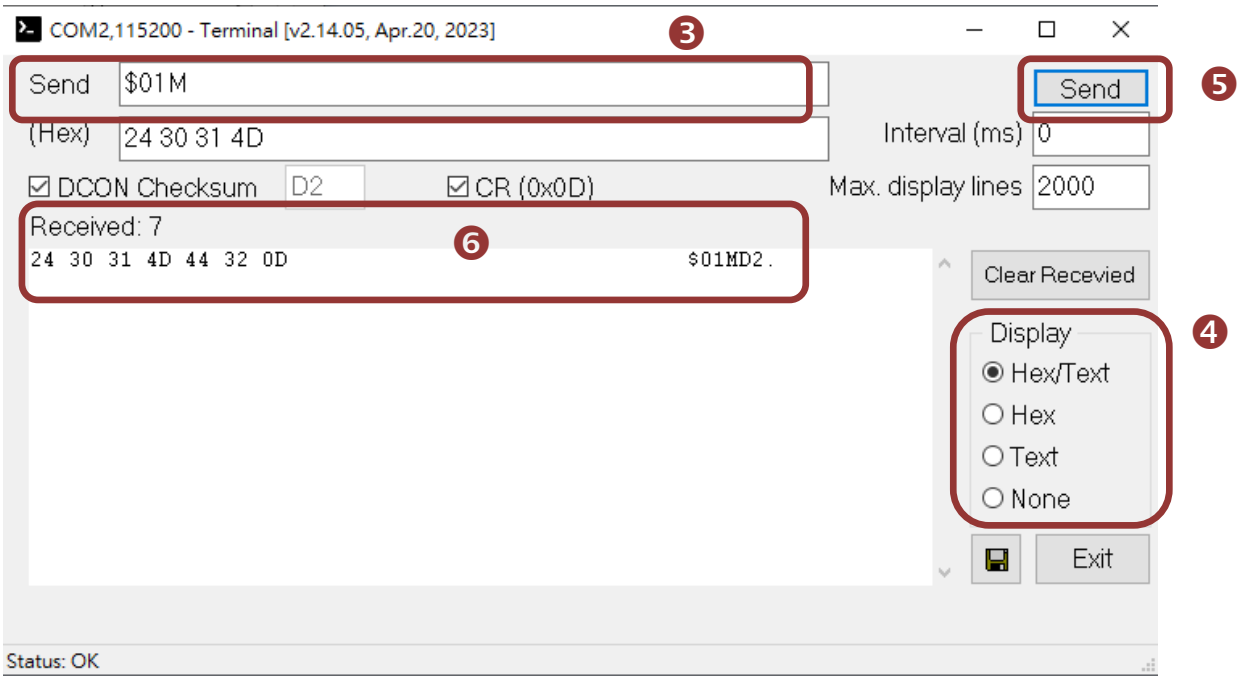


3) Type a string in the **“Send”** field.

4) Click the **“Hex/Text”** option in the **“Display”** section.

5) Click the “**Send**” button to send the message.

6) If a response is received, it will be displayed in the received field.



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Safety Instructions Consigns

To prevent possible electrical shock, fire, or personal injury and for safe operation of the product:

1. Power Supply

- Use only with the voltage and frequency specified on the product label.

2. Important Notes on Operating Environment

- Disconnect the power and network cables during thunderstorms to prevent damage.
- Do not use the product around explosive gas, vapor, or in damp or wet environments.

3. Ventilation and Cooling

- Do not block ventilation openings; ensure adequate space around the device for heat dissipation.

4. Avoid Liquid Contact

- This product is not waterproof; keep it away from liquids and humid environments.

5. Maintenance and Service

- Do not attempt to disassemble or repair the device.
- Do not use the product if it is damaged or operates incorrectly. Contact service centers.

6. Warranty Limitation

- Damages resulting from failure to follow safety instructions are not covered under warranty.
- This product is covered by a limited warranty according to the ICP DAS official warranty policy.

Contact Information

Website: https://www.icpdas.com/

Email: service@icpdas.com

Phone: +886-(03)-597 3366

Address: No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000