

PDS-220Fx Series Quick Start

v1.1, Aug. 2018

What's in the box?

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

PDS-220FT



or

PDS-220FC



PDS-220Fx Series x 1



Quick Start x 1 (This Document)

Preparations for Devices

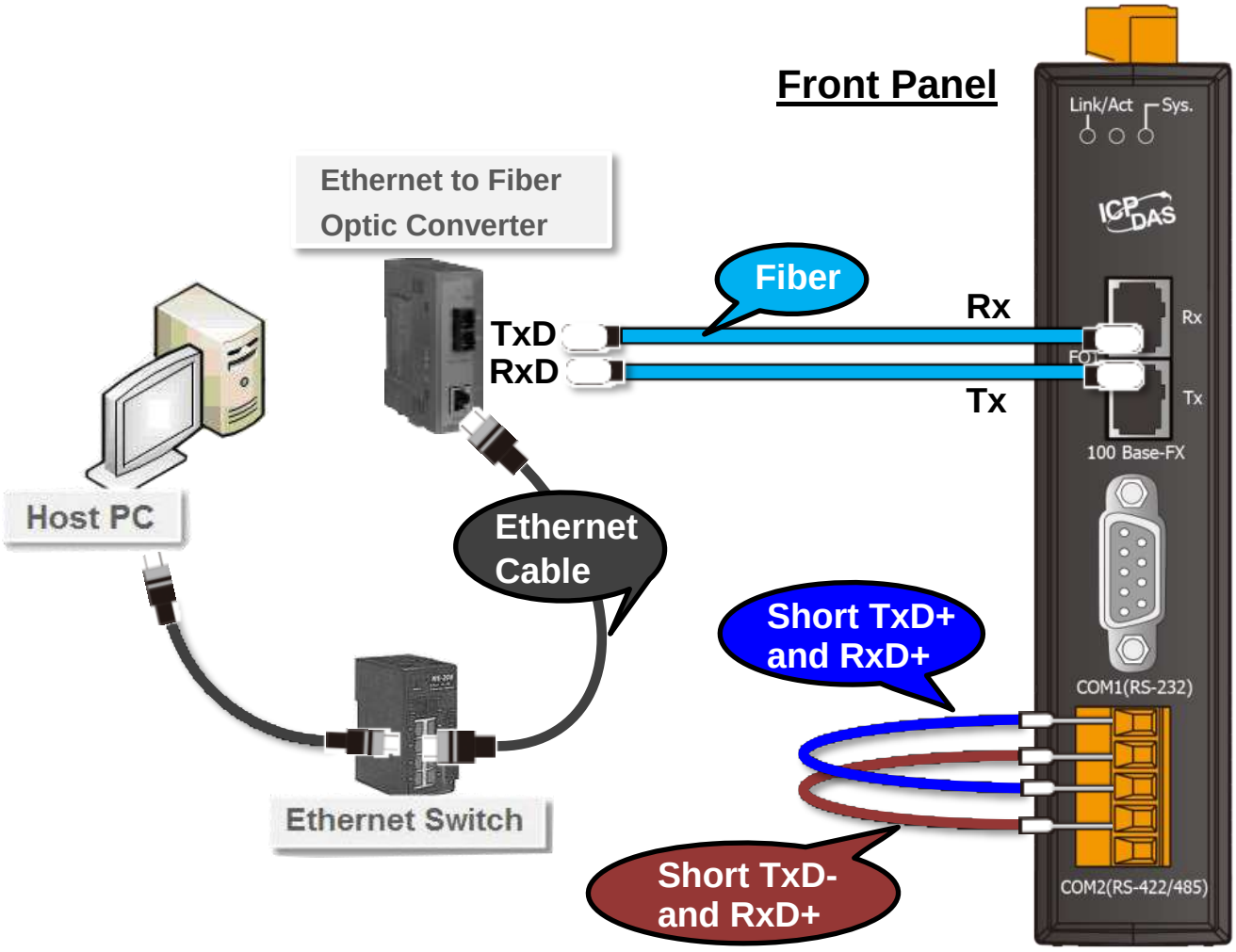
- An External Power supply device, e.g., MDR-20-24 (Optional).
  http://www.icpdas.com/products/Accessories/power_supply/power_list.htm
- An Ethernet to Fiber Optic Converter, e.g., NS-200AF Series (Optional).
  http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-200af.html
- An Ethernet Hub, e.g., NS-205 (Optional).
  http://www.icpdas.com/products/Switch/industrial/industrial_list.htm
- 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 3** may not work. (Please contact with your system Administrator)

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

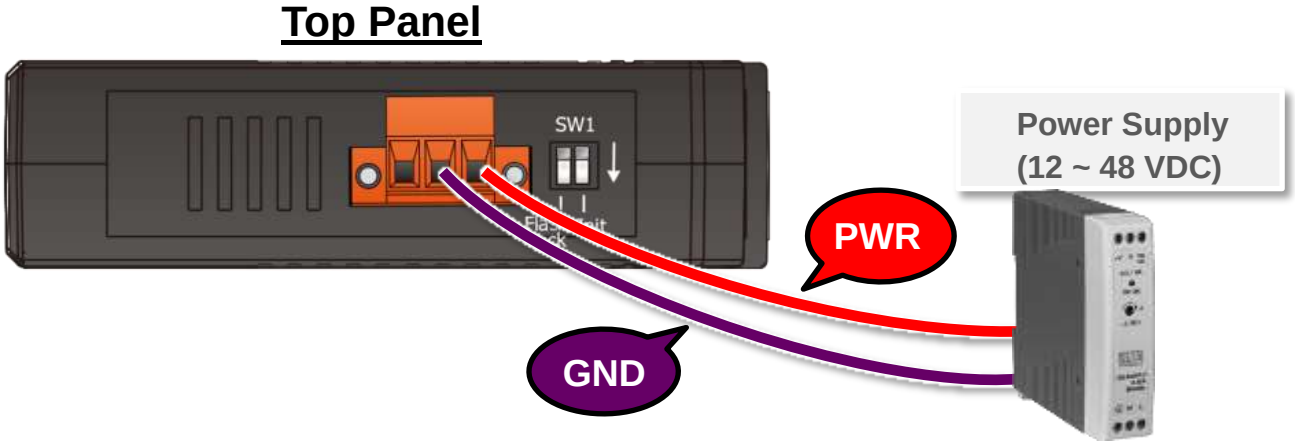
1 Connecting the Power and Host PC

1) Connect both the PDS-220Fx via the Fiber Optic Converter and your PC to the same sub network or the same Ethernet switch.

2) Short the **"TxD+" to "RxD+"** and **"TxD-" to "RxD-" pins on the COM2** terminal block on the PDS-220Fx for self-test.



3) Supply power (**+12 VDC ~ +48 VDC**) to the PDS-220Fx.



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

2 Install the VxComm Utility

The VxComm Utility can be obtained from the ICP DAS FTP site or the ICP DAS web site. The location of the download addresses are shown below:

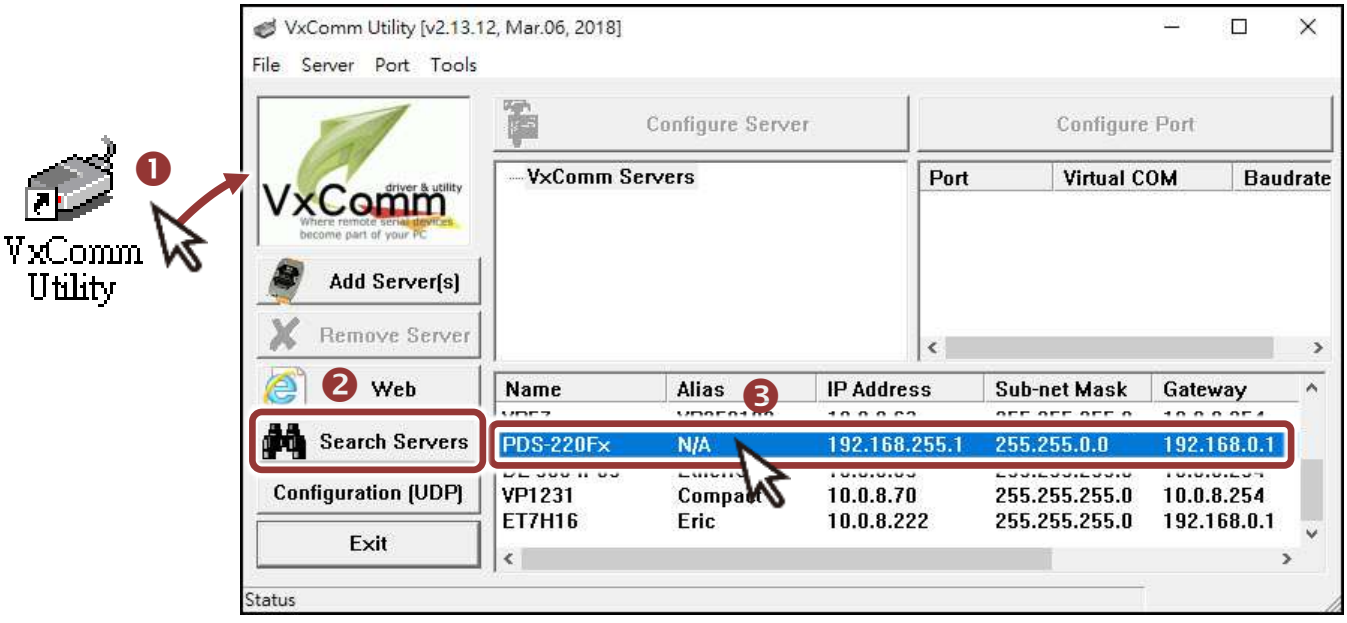


http://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm_driver/windows/

ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm_driver/windows/

3 Configuring Network Settings

1) Double click the VxComm Utility shortcut on the desktop.
2) Click the **"Search Servers"** to search your PDS-220Fx.
3) Double click the **name of PDS-220Fx** to open the "Configure Server (UDP)" dialog box.

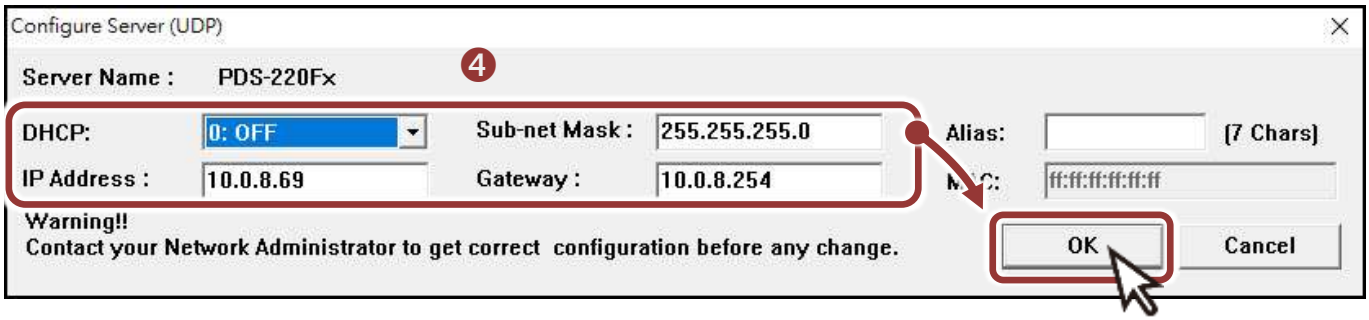


Factory Default Settings of PDS-220Fx:

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

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

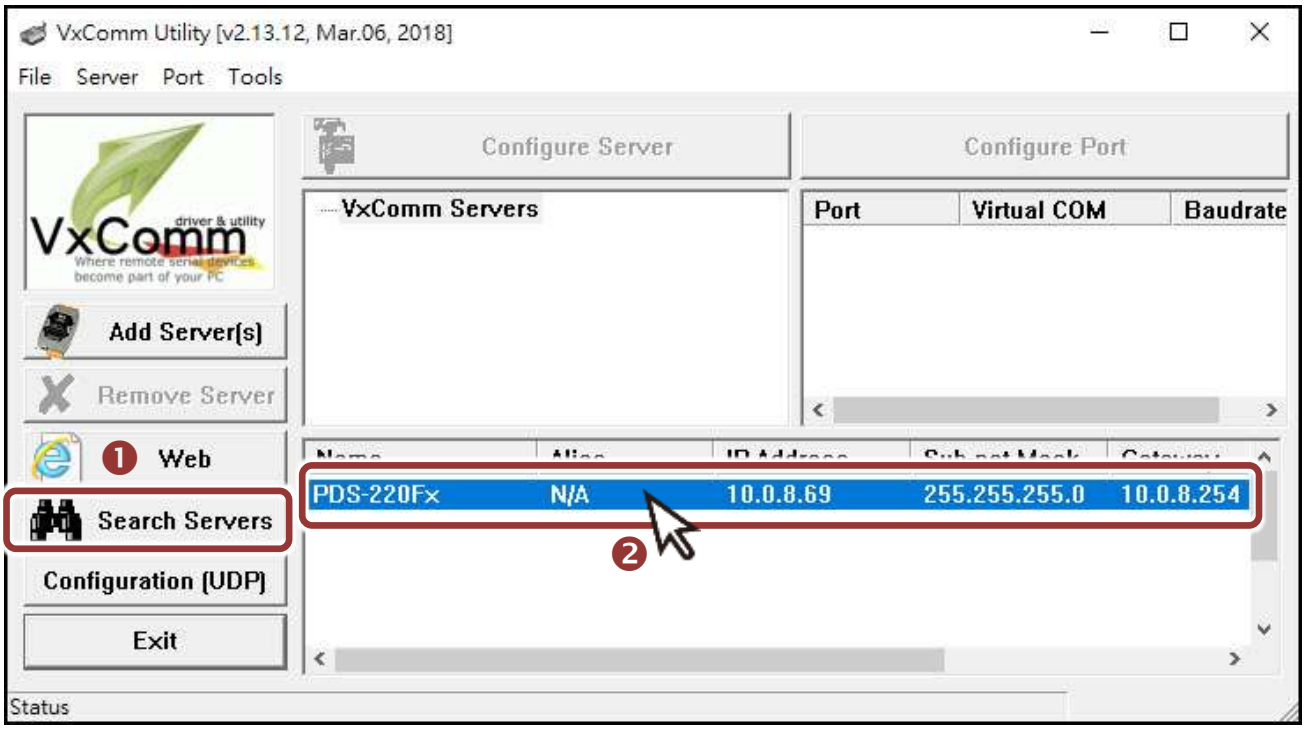
4) Contact your Network Administrator to obtain a **correct network configuration (such as IP/Mask/Gateway)**. Enter the network settings and click **"OK"**. ⚠ **Note: The PDS-220Fx will use the new settings 2 seconds later.**



4 Configuring Virtual COM Ports

1) Wait 2 seconds and click **"Search Servers"** button again to ensure the PDS-220Fx is working well with new configuration.

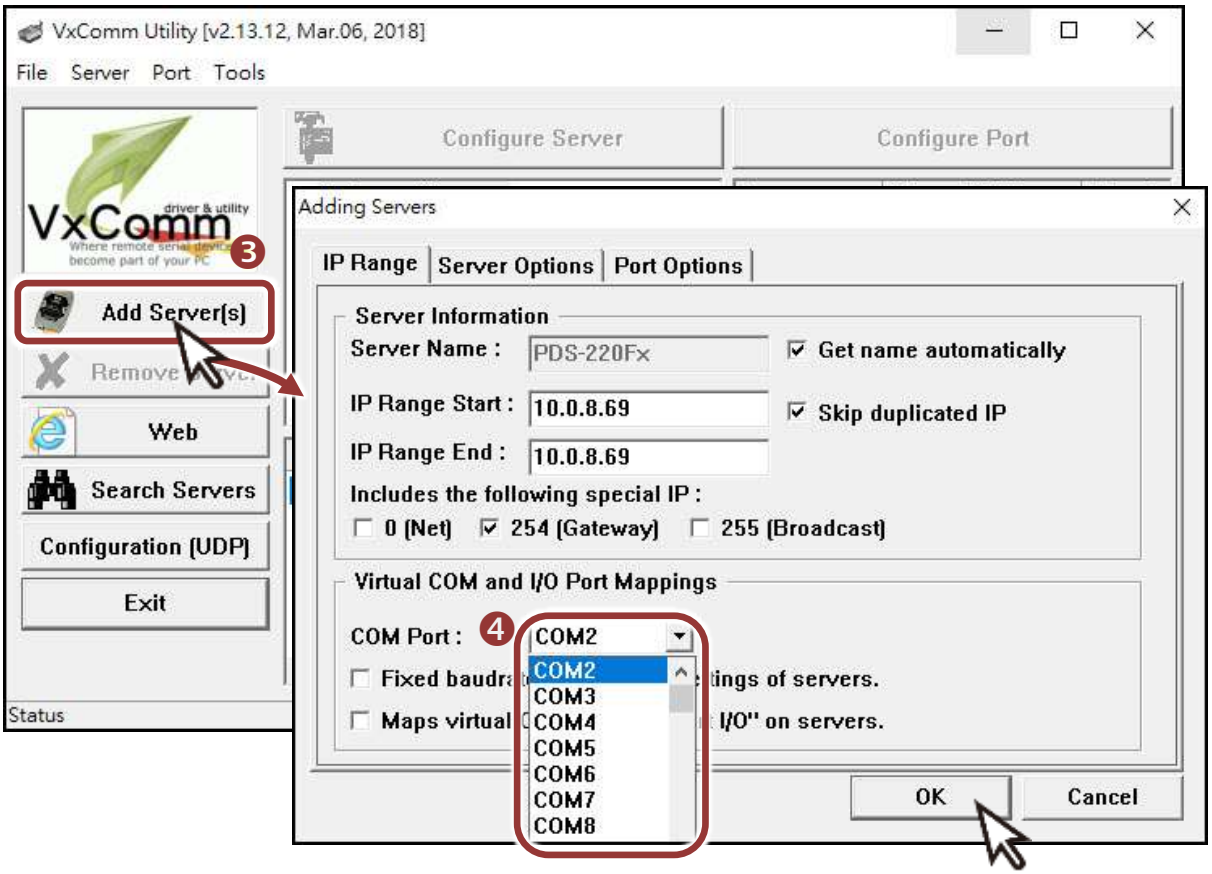
2) Click the name of PDS-220Fx to select it.



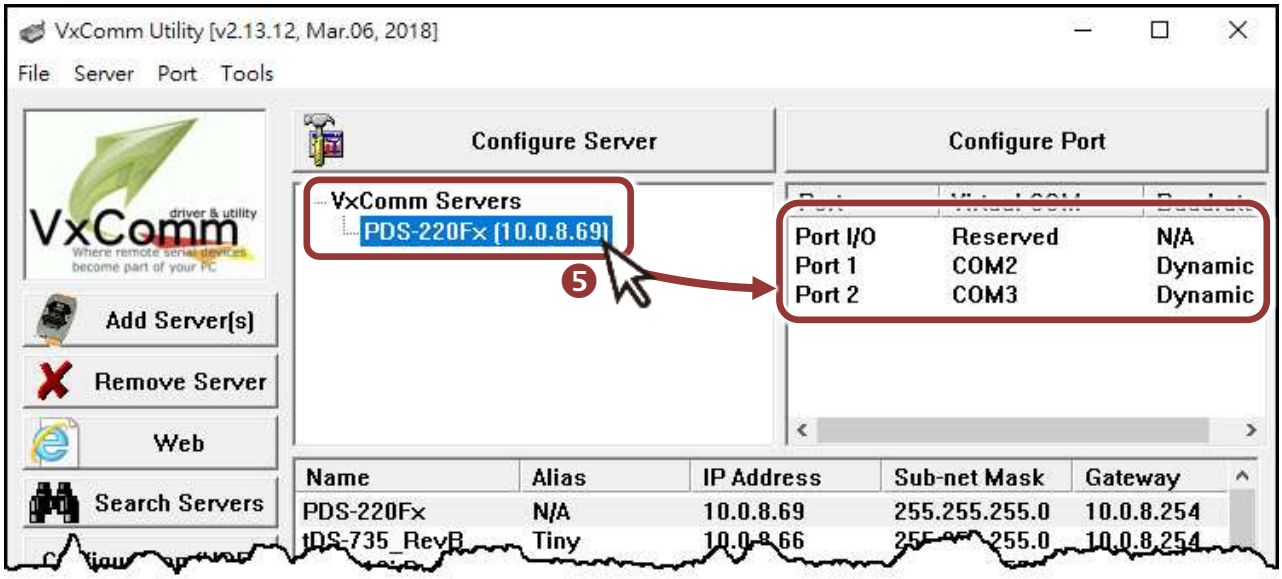
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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

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



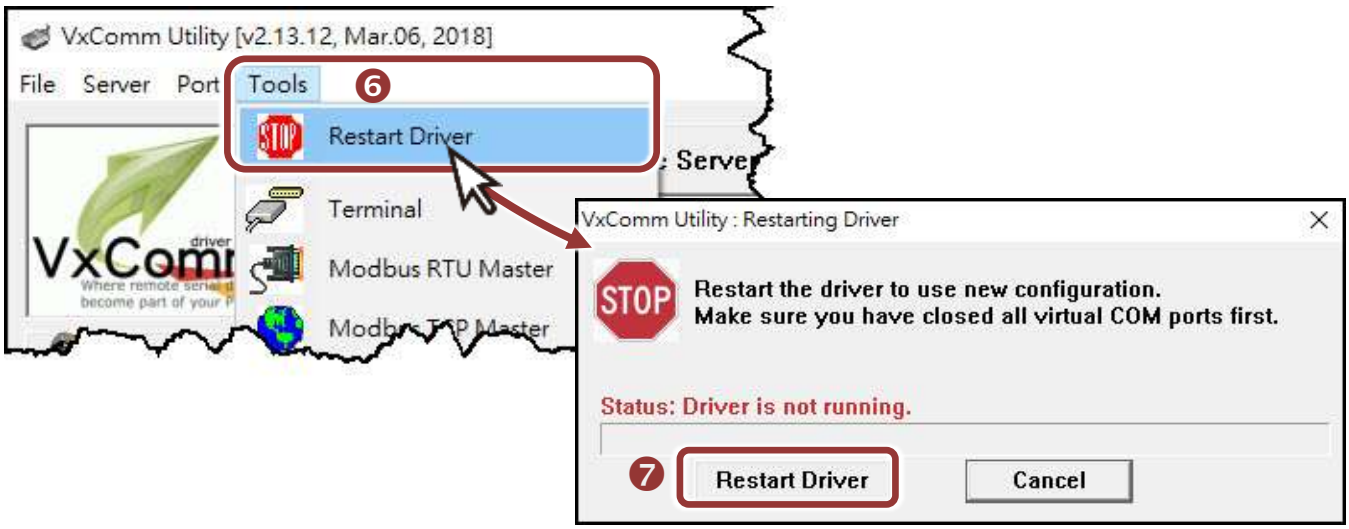
5) Click on PDS-220Fx name and check the virtual COM Port mappings on the PC.



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

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

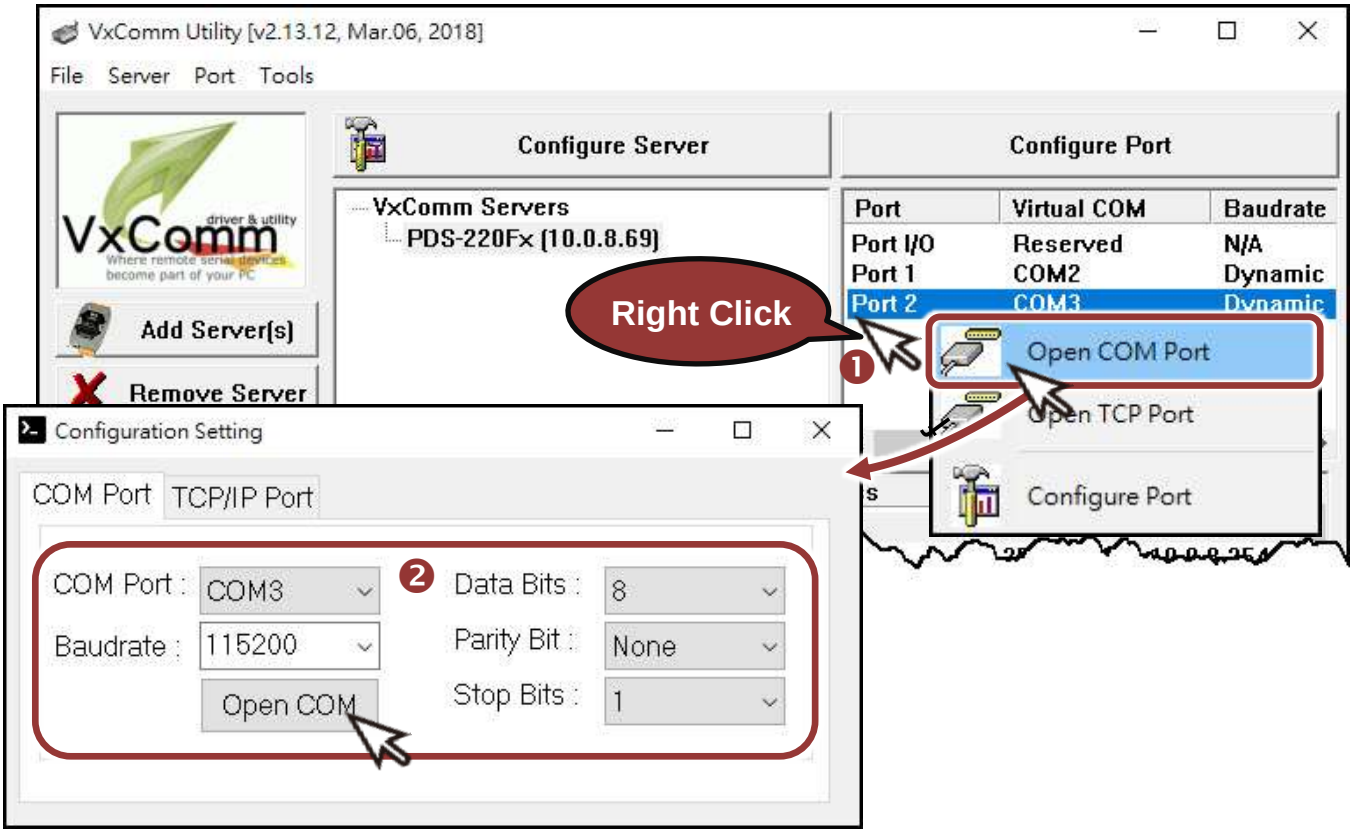
7) Click the **"Restart Driver"** button.



5 Self-Test

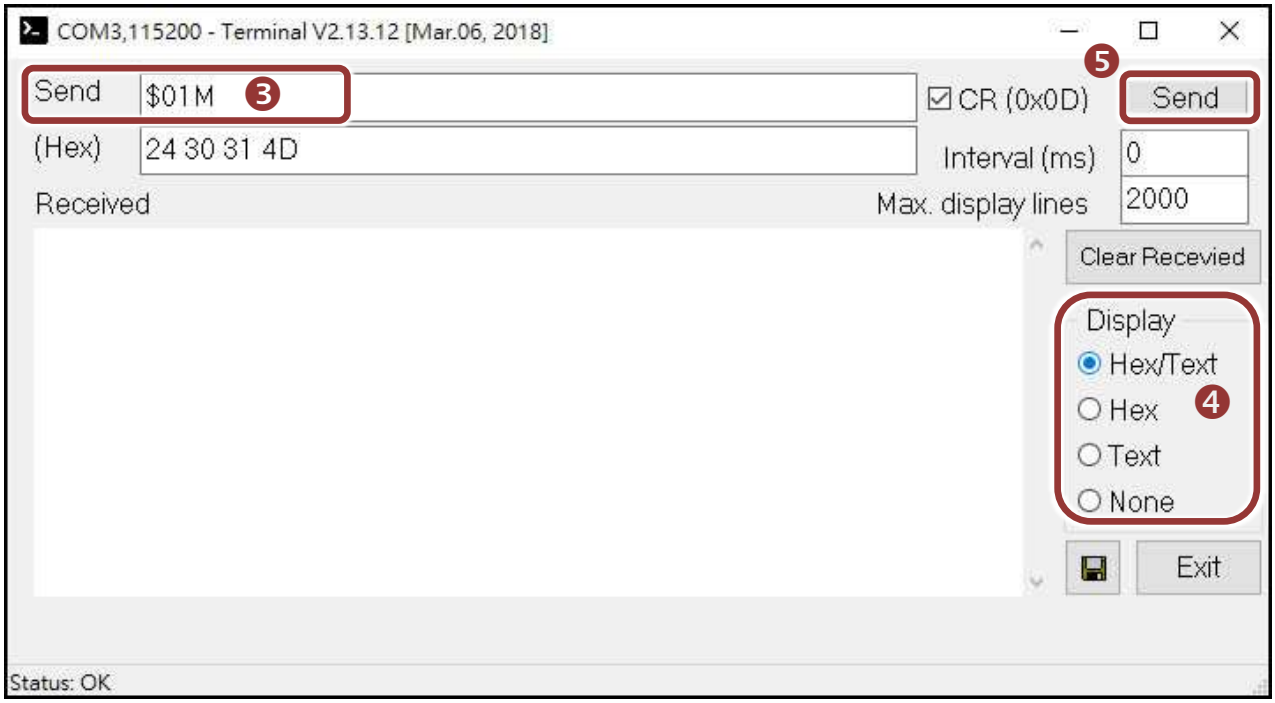
1) Right click Port2 and choose the **"Open COM Port"** item.

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

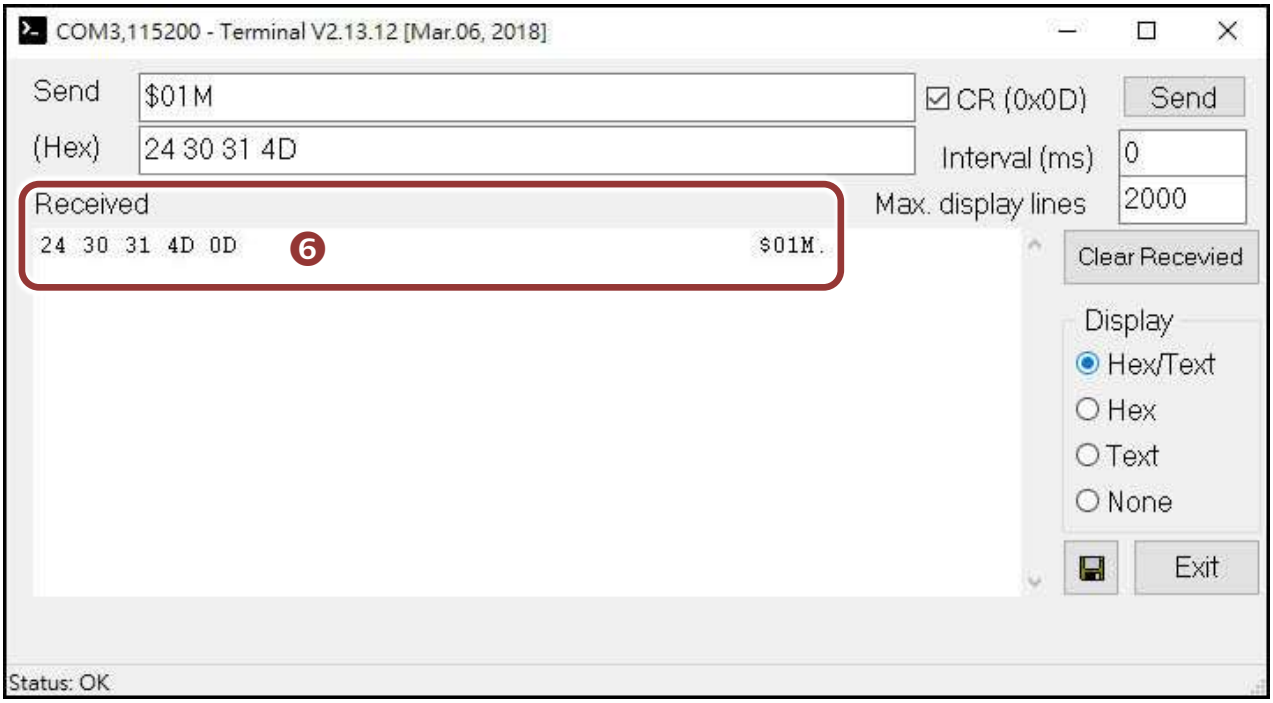


Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

3) Type a string (e.g., $01M) 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.



If the test is successful, then your COM port program should now be able to work with this Virtual COM Port.

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

Related Information

- PDS-220Fx Series Product Page:

http://www.icpdas.com/products/Industrial/pds/pds-220fx.htm

- Documentation:

http://ftp.icpdas.com/pub/cd/8000cd/napdos/pds/pds-220fx/document/

- Firmware:

http://ftp.icpdas.com/pub/cd/8000cd/napdos/pds/pds-220fx/firmware/

- MDR-20-24, NS-205, NS-200AF Product Page (optional):

http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-205.html

http://www.icpdas.com/root/product/solutions/accessories/power_supply/mdr-20-24.html

http://www.icpdas.com/root/product/solutions/industrial_ethernet_switch/ns-200af.html

NOTE

The flash lock function is disabled for factory default settings.

User can modify the program or update the firmware. If you want to enable flash lock function, refer to **Section "SW1 (Init and Flash Lock Switch)"** of PDS-220Fx user manual.

The location of the download addresses are shown below:

http://ftp.icpdas.com/pub/cd/8000cd/napdos/pds/pds-220fx/document/

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