Lantech

Device Server Self Quick Test Step



Environment: personal computer x 1

RS-232 cable x 1



1. Configure the local NIC's IP to 192.168.10.10 (Or 3~255)



2. Open internet explorer and enter https://192.168.10.2 at URL.

🗿 Serial Device Server - Microsoft Internet Exp	lorer		- 6 🛛
檔案(E) 編輯(E) 檢視(Y) 我的最愛(A) 工具	① 説明(出)		
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網址(1) m https://192.168.10.2/			🔽 🛃 移至 連結 🎽
Indust	rial Networ	king Platform Design Partner	
MENU	System Information	1	
Serial Device Server	IP Address	192.168.10.2	
B System	MAC Address	00:1E:94:51:00:4C	
Port Serial Setting Management	Firmware Version	1.1f	
Save/Reboot			
Help			
⑧ 完成			👌 🍘 網際網路

3. Open X-ware and it will auto detect device server. If not please press broadcast.

🍠 X-Ware						
File Device Configuration COM Config	uration Optio	ons Help				
Broadcast Bevice Remove Mar	COM Linna	Wizard Wizard	d Wizard Vizard			_
E Device List	Refre	sh		Device List	alive	e L warning available
192.168.10.2	+ Number	IP address	MAC Address	Name	Model	Status
- Com List	1	192.168.10.2	00:1E:94:51:00:4C	DeviceServer-DEFAULT	5012	Alive, Logged in
- 👸 IP Collection - 😴 System Log						
1						

4. Click 192.168.10.2 and select port 1 to see the detail. It is show "No VCOM Connect"

🍠 Х- Жате		
File Device Configuration COM Configuration Options Hel	p	
Broadoast Add Bevice Benove Map COM	Wizard Wizard	
E Serial Settings Ser	ice Mode Notification	
Device List	VALUCON MUCH	
g port1		
Virtual COM List Virtual COM Mode		
IP Collection	Igs Misc.	
System Log Data Port# 4	100 Edit IP Port Number I die Timeout 0 (0-60000) Seconds	
Control Port# 4	UI Aive Check 0 (0-60030) Seconds	
Multilink		
Max Connection	3	
1	_	
Destination H	ost VCOM Name	
1	Waiting for VCOM connect - Gate VCom	
	📥 Goto VCom 🛛 🗬 Unmap VCom	
3	📥 Goto VCom 🛛 🗬 Unmap VCom	
4		
	Goto VCom	
5	📥 Goto VCom 🛛 🗬 Unmap VCom	
		1
S Refresh		Apply Only Apply and Save

button to select a Virtual COM

5. Press the

4 Map Virtual COM

File Device Configuration COM Config	uration Options Help
Percent Device Device Perce	Serial Settings Service Mode Notification port Service Mode Virtual COM Mode V Virtual COM Settings Data Port 4000 Control Port 4000 Virtual COM Name (Validated charaters of virtual COM name is A.Z., as and 0.9. Max Length of the name is A.Z., as and 0.9. Max Length of the name is A.Z., as and 0.9. Max Length of the name is Destination Host COMM
	P Retresh 🔊 Apply Only 🛷 Apply and Save

6. Choose the COM you are connected. In this case we select COM3 to test.

🍠 X-Ware		💶 🗗 🗙
File Device Configuration COM Config	guration Options Help	
X-Ware Free Device Configuration COM Configuration Configuration COM Configuration Volume Device List VOID List VOID List VOID List Setup Wrard P Collection System Log	Serial Settings Service Mode Vistaard Vistaard Vistaard Vistaard Serial Settings Service Mode Notification Pott Service Mode Virtual COM Mode Virtual COM Mode Virtual COM Mode Image: Service Mode Virtual COM Mode Select a Virtual COM Name Image: Seconds Control Portit Select a Virtual COM Name Image: Seconds Multilink Arc, arc and 0.9. Max Length of the name Image: Virtual COM Name Image: Control Portit Image: Seconds Image: Virtual COM Name Image: Control Portit Common Common Common Image: Virtual COM Name Image: Common Host Common Image: Virtual COM Name Common Host Common Image: Virtual COM Name Common Common Image: Virtual COM Name Common Image: Virtual COM Name Image: Virtual COM Name Common Image: Virtual COM Name Image: Virtual COM Name Common Image: Virtual COM Name Image: Virtual COM Name Image: Virtual Common Image: Virtual COM Name Image: Virtual COM Name Image: Virtual Common Image: Virt	
	Goto VCom Umap VCom	
	19 Refresh	Apply Only

7. If the connection is right, it'll show the destination host. If not please check step 6.

File Device Configuration Options Help Proadest Image: Configuration Device Device Device Broadest Image: Configuration Image: Configuration Device Device Broadest Image: Configuration Image: Configuration Image: Configuration Image: Configuration Broadest Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Serial Settings Service Mode Notification Image: Configuration Image: Configuration Service Mode Virtual COM Mode Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image: Configuration Image	File Device Configuration COM Config	uration Options Help
Broadcas Device Lit Broadcas Device Lit Broadcas Service Mode Nutraid Service Mode Nutraid Service Mode Vitual CDM Mode Vitual CDM Mode Service Mode Vitual CDM Mode Vitual CDM Kettings Deta Port# 4000 Edit IP Port Number Idle Timeout [0] Ontor Port# 4000 Edit IP Port Number Control Port# 4000 Edit IP Port Number Max Connections Image: Vitual CDM Name Image: Ima		
Image: Solor VCom Image: VCom	Broadcast Broadcast	Image: Service Mode Notification Service Mode Notification Service Mode Vitual CDM Mode Vitual CDM Settings Edit IP Port Number Data Port# 4000 Control Port# 4000 Maximum Misc. Data Port# 4000 Edit IP Port Number Ide Timeout () Control Port# 4001 Other Mode Aive Check () Multiink Max Connections 1 Destination Host VCDM Name 1 2 3 3 4 5 4 Goto VCom 4

8. This figure show Ethernet ping status and VCOM connect status.

C:Windowsisystem52/0mit.exe - ping 192.106.10.2 -1	
Reply from 192.168.10.2: bytes=32 time=-29ms TTL=64 🛛 🔺	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	Configuration COM Configuration Options Help
Reply from 192.168.10.2: bytes=32 time=-29ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	wcom Device Firmware
Reply from 192.168.10.2: bytes=32 time=3ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=-29ms TTL=64	Device Device Map COM COM Wizard
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	are Serial Settings Service Mode Notification
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	192 Service Mode Virtual COM Mode
Reply from 192.168.10.2: bytes=32 time=-28ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms ITL=64	VCOM L Virtual COM Mode
Reply from 192.168.10.2: bytes=32 time=2ms IIL=64	COM
Reply from 192.168.10.2: bytes=32 time=2ms IIL=64	Setup W Virtual COM Settings Misc.
Reply from 192.168.10.2: bytes=32 time=35ms 11L=64	P Collec Data Port# 4000 Edit IP Port Number Idle Timeout 0 (0-65535) Second
Reply from 192.168.10.2: Dytes=32 time=3ms 11L=64	System I Control Port# 1001 # Man Virtual COM Alive Check 0 0-65535) Second
Reply from 172.108.10.2. Dytes-32 time-3508 116-64	
Reply from 172.108.10.2. Dytes-32 time-305 116-64	second 1
Poply from 192.108.10.2. Dytes 32 time-2ms 110-04	TY GIOLE IN
Reply from 192.168.10.2: bytes=32 time=3ms TTL=64	Max Connections
Reply from 192 168 10 2: https:// time=2mg TTL=64	
Reply from $192.168.10.2$; butes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	Destination Host VCOM Name
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=3ms TTL=64	192.168.10.10 COM3 🖾 Goto VCom 📢 Unmap VCom
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=-29ms TTL=64	🕹 Gata VCam 🖉 Usman VCam
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	3
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	🚍 Goto VCom 🔍 Unmap VCom
Reply from 192.168.10.2: bytes=32 time=3ms TTL=64	4
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	🚍 Goto VCom 🛛 🗬 Unmap VCom
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=3ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=2ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=-29ms TTL=64	
Reply from 192.168.10.2: bytes=32 time=-29ms TTL=64	Apply Only 🛷 Apply an
Reply from 192.168.10.2: bytes=32 time=-29ms IIL=64	
Reply From 172.158.10.2: bytes=32 time=2ms IIL=64	

 Use PComm Lite 2.6 to help test. Ports: select the setting VCOM. Buad Rate: 38400, Data Bits: 8, Parity: None, Stop Bits: 1. (It is the same as Device server's default)

10. Open a new file at PComm Lite 2.6.



11. Check pinging status did not cause the VCOM status change.

ÿx-₩are		_ 8 X
Fie Device Configuration COM (Firsted as X-Ware Device List Device List P Device List P Device List P Device List P Device List P Device List P COM3 Setup Wizard P Collection System Log	Cantguraban Option Hab Image Configuration Image Configu	

12. Check pinging status did not cause the VCOM status change.

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J L-Ware File Davies Configuration COM (Configuration Options Help
Broadcast Broadcast Werkee Broadcast Werkee Broadcast Werkee Broadcast	John Gradon Opbors Heip VCom Uizard Uizard Uizard Map DOM Urgan Wizard Uizard Vitual COM Name COM3 Remote Device Name DeviceServer-DEFAULT Pott Name port((Port0)
	Serial Settings Connection Settings Statistics

13. Use PComm Lite 2.6 send pattern. (It will through the RS-232 port.)



14. Here we send the "test" in ASCII code continually.

🐮 PComm Terminal Emulator - COM3,38400,Non	e,8,1,Dumb Terminal	_ 7 ×
Profile Edit Port Manager Window Help		
COM3,38400,None,8,1,Dumb Terminal		
	Send Pattern	
State:OPEN TT TT Ready	Data Pattern C ASCII I t e e t	

15. It is show how much packets are send to device server.

😤 PComm Terminal Emulator - COM3,38400,None,8,1,Dumb Terminal	- # ×
Profile Edit Fort Manager Window Help	
COM3,38400,None,8,1,Dumb Terminal	
Transmit Pattern Port. COM3 Transmit Pattern(Hex): 74657374 Repeat Count: Until user break Transmit Count: 130 Stop	

16. It is show how much packets were received in bytes.

🍠 X-Ware	
File Device Configuration COM Configuration Options Help	
Broadcast	VCOM Uzard Uzard Uzard Uzard
E X-Ware	
Device List	Virtual COM Name COM3
- 9 port1(COM3)	Bennte Device Name Device Convert DEFAILLT
E 🖨 VCOM List	
COM3	Port Name port1(Port0)
IP Collection	
🚽 🛐 System Log	Serial Settings Connection Settings Statistics
3 System Log	TX Bytes 4649 bytes REconnect Times times