

1 port RS-232 Device Server

Ethernet RJ45 1 Port

Transmit and receive and Ethernet Link and 100/10M LED drive .

10/100 Mbps, auto MDI/MDIX

Gateway IP address

Serial Interface 1 Port

15 KV ESD protection for RS232 serial port

Connector: DB9 Male and RJ45

Power Connector: Terminal Block 2P

10/100 Mbps Ethernet interface

Up to 460.3 Kbps baud rate support

Choice of operation modes: VSP COM, TCP Server, TCP Client, and UDP, Paired mode
HTTP,DHCP, ICMP(PING), Static IP, and ARP supported

.Driver Support VSP COM

- • Windows 2000
- • Windows XP and XP 64-bit
- • Windows Vista and Vista 64-bit
- Windows Server 2003 and 2003 64-bit
- • Windows Server 2008 and 2008 64-bit
- • Windows 7 32 and 64-bit
- Windows 10 32 and 64bit
- • Server 2016/2012 R2

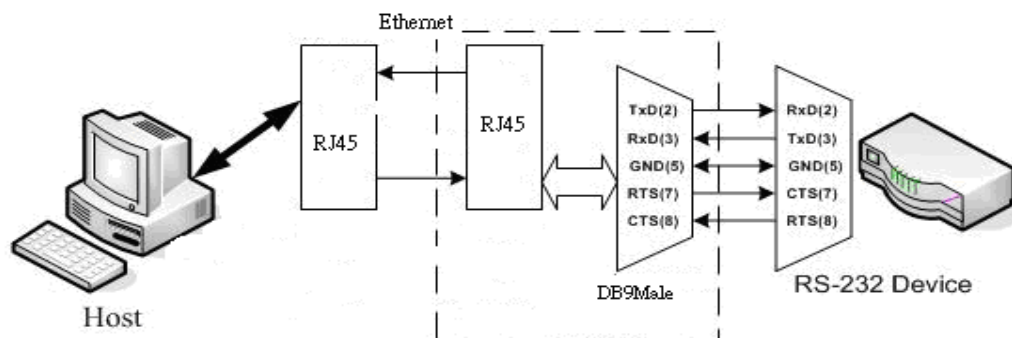
Applications

.Notebooks and Industrial PCs peripherals devices

.Terminal Adapters and POS terminals

.Peripherals interface

.General-purpose RS-232 data link



Serial Converter

Mode	Asynchronous serial communication
R232 Speed	Up to 460.3kbps
Connector	DB9 Male
Signals	TxD,RxD,RTS,CTS,DTR,DSR,DCD ,GND
Protection	15KV ESD Protection for RS232 signals
Data Bits	7,8
Stop Bits	1,2
Flow Control	RTS/CTS,X-On/X-Off
Parity	None,Even,Odd,Space,Mark

Software

Driver Support VSP COM	<ul style="list-style-type: none"> • Windows XP and XP 64-bit • Windows Vista and Vista 64-bit • Windows Server 2003 and 2003 64-bit • Windows Server 2008 and 2008 64-bit • Windows 7 32 and 64-bit • Windows 10 32 and 64bit • Server 2016/2012 R2
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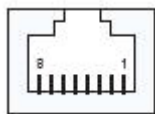
Hardware

Power Input	10~30VDC Terminal Block 2P 3.5mm
Power Consumption	90mA @24VDC
LED	Power, TXD, RXD
Dimensions	54(W)x34(H)94(D)mm
Weight	85g
Terminal Block	12~24AWG

Connector DB9 Male 9PIN Define

NO	DM9 Male
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	

Connector RJ45 PIN Define



PIN	Define
1	TX+
2	TX-
3	RX+
6	RX-

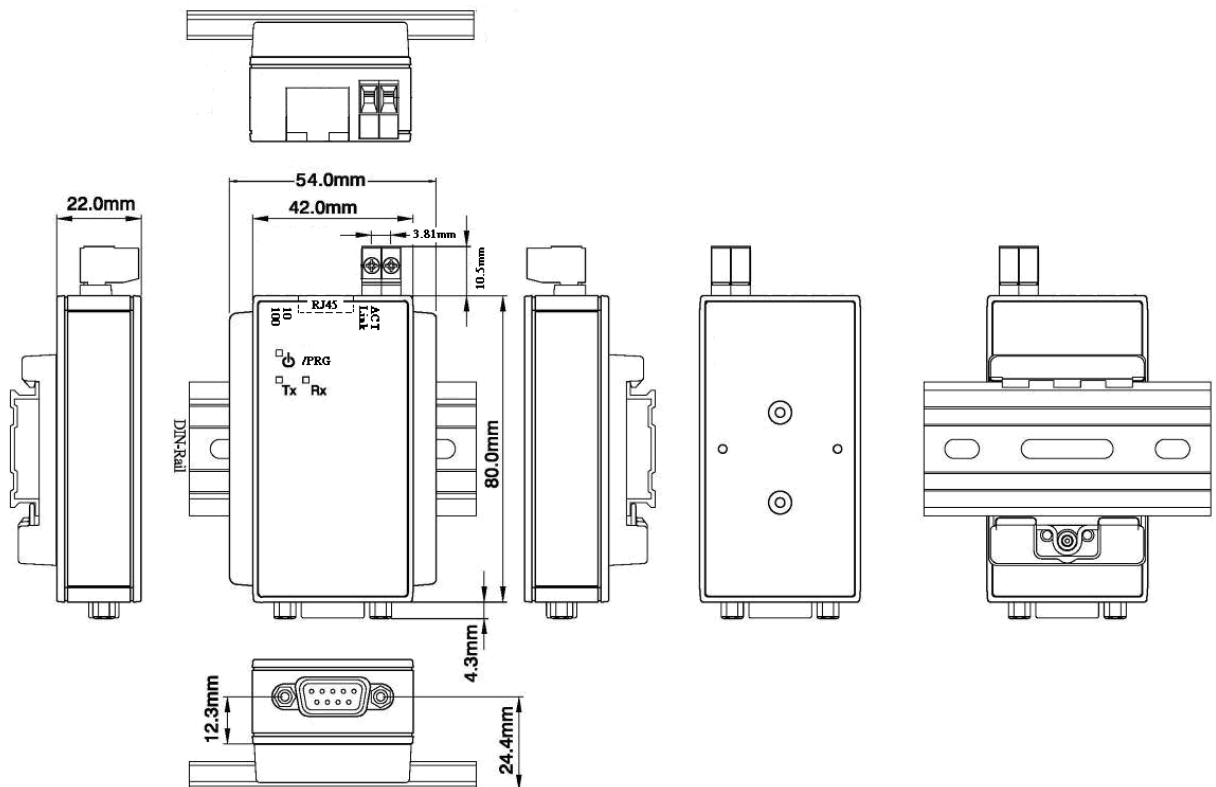
Environmental

Operating Temp	-35~70℃
Storage Temp	-40~85℃
Humidity	5~95% Non-Condensing
Case	PC

Approvals

CE ,FCC RoHs Compliant

Dimension



Common Features of our Serial-over-IP Devices

Configurable via Web browser

One to four independent serial ports.

Full- and half-duplex serial port modes.

Remote control of RTS, CTS, DTR, and DSR lines.

Internal EEPROM for configuration storage.

Detailed status indication via LEDs.

Setup through the serial port or network.

HTTP, UDP (Management Configurable), tools setup .

"On-the-fly" commands for immediate serial port configuration change.

Serial-side "modem" commands for network connections control.

Direct control of ADSL modems.

Supported protocols include UDP, TCP, ARP, ICMP (PING), DHCP, and HTTP.

Paired mode

Supplied with the Atil Device Server Toolkit (ATILDST) for Windows. The

ATILDST includes Virtual Serial Port

Serial Port Driver. A Linux version of the VSPD is also available.

Socket socket comms (up to 16 UDP, TCP, and HTTP sessions

Net controls Ethernet port.

Serial in charge of serial channels baud rate

10/100BaseT, auto-MDIX Ethernet port

1024KB flash for firmware, application, and data storage

2KB EEPROM for data storage

status LEDs;

Serial Connection

DB9 Male

LAN 10/100 Mbps Auto-MDIX Ethernet port

Serial Interface

RS-232 TX,RX,RTS,CTS,DTR,DSR,DCD,GND DB9 Male

Power Requirements TB 3.5 Pin2 10-30VDC 24V@90mA

Operation Temperature -35~70 °C

Storage Temperature -40~85 °C

Humidity 0~90% Non-Condensing

Serial Data Rate 300bps ~ 460.8Kbps

Parity none,even,odd,mark,space

Data Bits 7 or 8

Stop Bits 1 or 2

Protocol UDP, TCP, ARP, ICMP (PING), DHCP, and HTTP

Management Web server Manager software Virtual serial port (Virtual COM Port)

Virtual Serial Ports

Our Virtual Serial Port Drivers for Windows allow you to transparently access your device server's serial port as if it was a real COM port of your PC. Your "serial" PC software won't notice the cheat.

Direct TCP and UDP links

All Atil serial-over-IP devices support standard TCP/IP and UDP/IP protocols. Open a socket and exchange data with the serial port of your device server directly. It's that simple.

Device-to-device links

Atil device servers can talk to each other directly, using standard TCP/IP and UDP/IP protocols. No PC necessary.

Initial factory setting

Button Reset 5sec up recovery initial factory

Password :no

IP-address:192.168.1.1

Gateway-address :192.168.1.254

Subnet mask : 255.255.255.0

Application

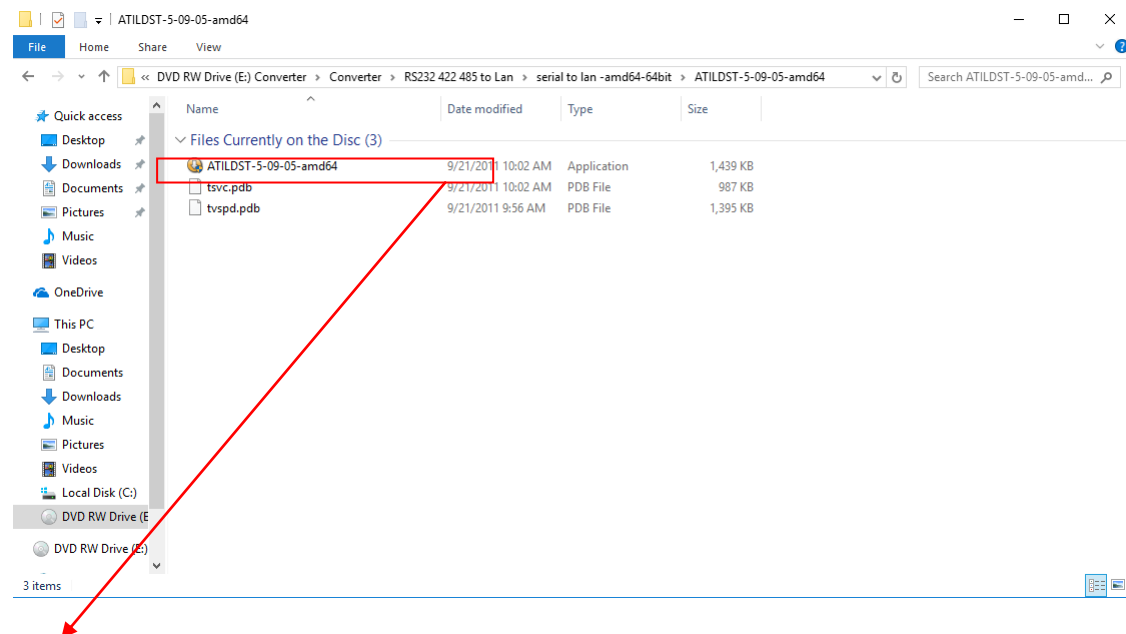
Door control ,POS ,automatic control

Virtual Serial Port Driver installation guide for windows 10

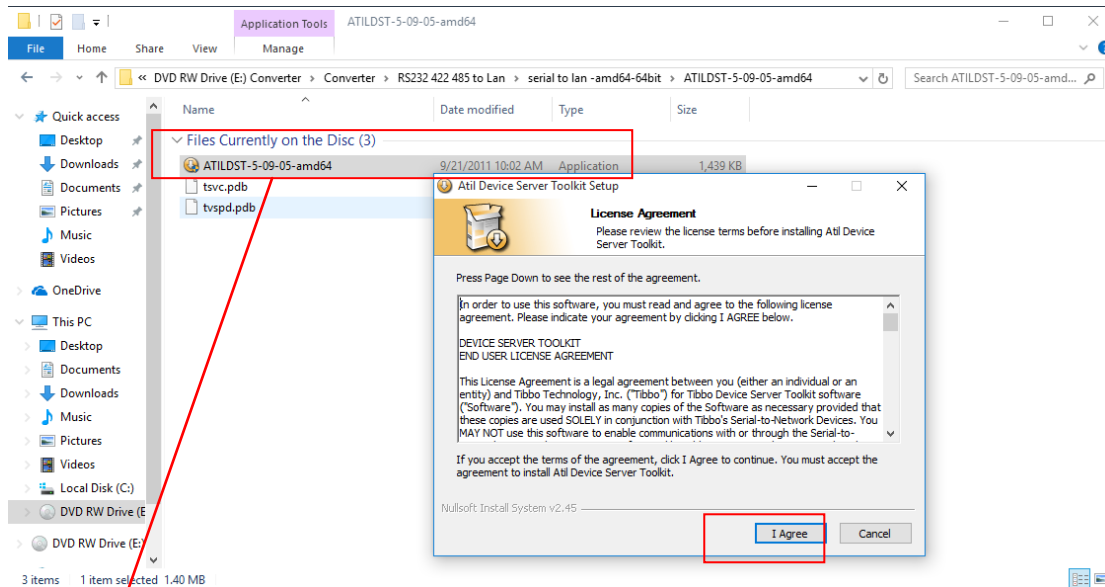
64bit

ATILDST-5-09-05-amd64 for 64bit windows operation system

ATILDST-5-09-05-x86 for 32bit windows operation system



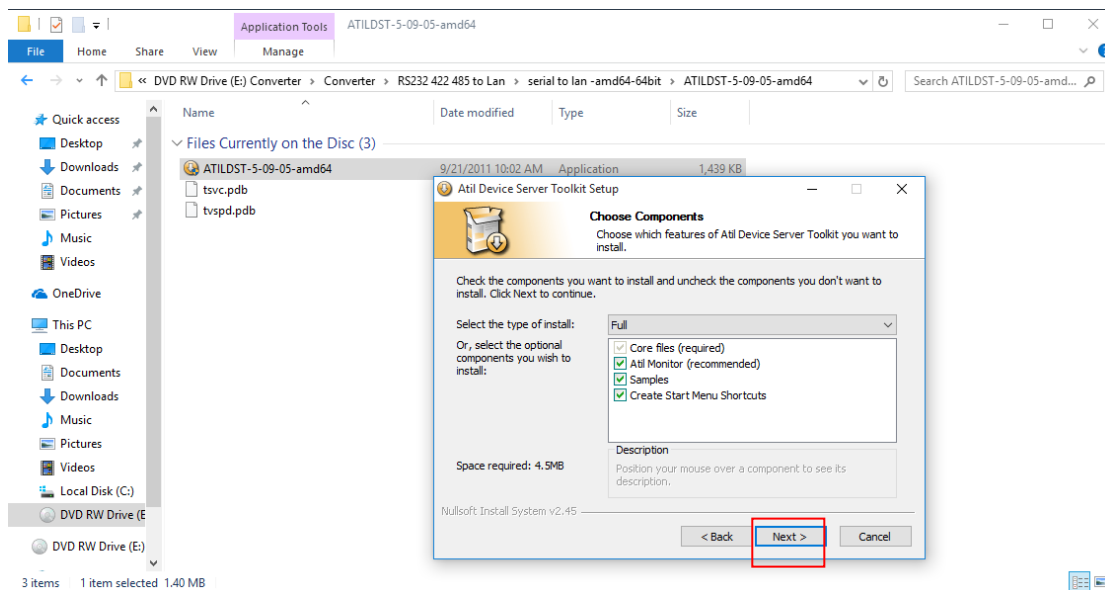
ATILDST-5-09-05-amd64 for 64bit windows operation system



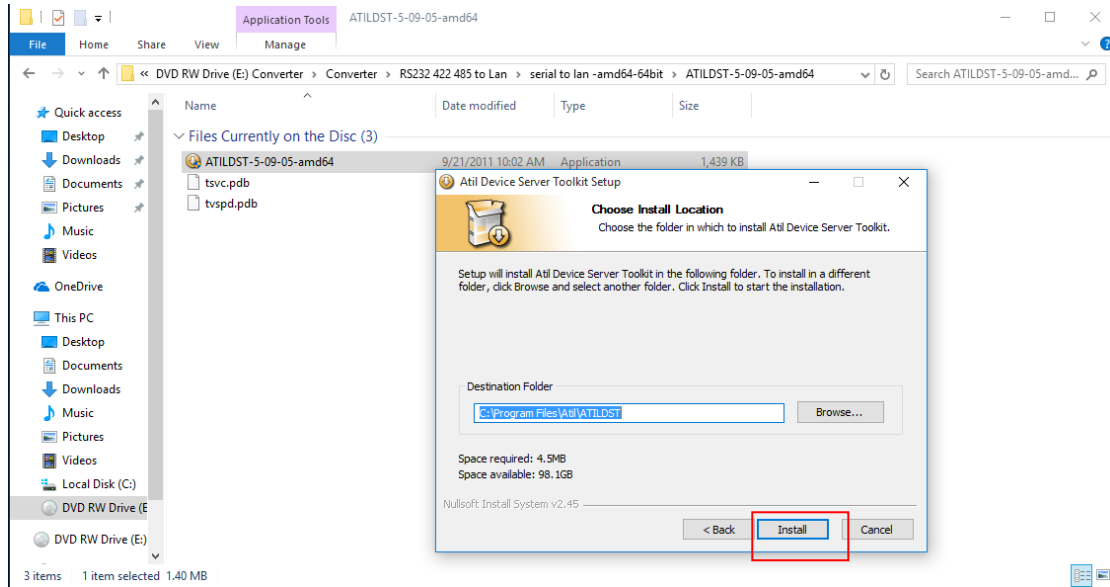
ATILDST-5-09-05-amd64 for 64bit windows operation system

RUN ATILDST-5-09-05-x86

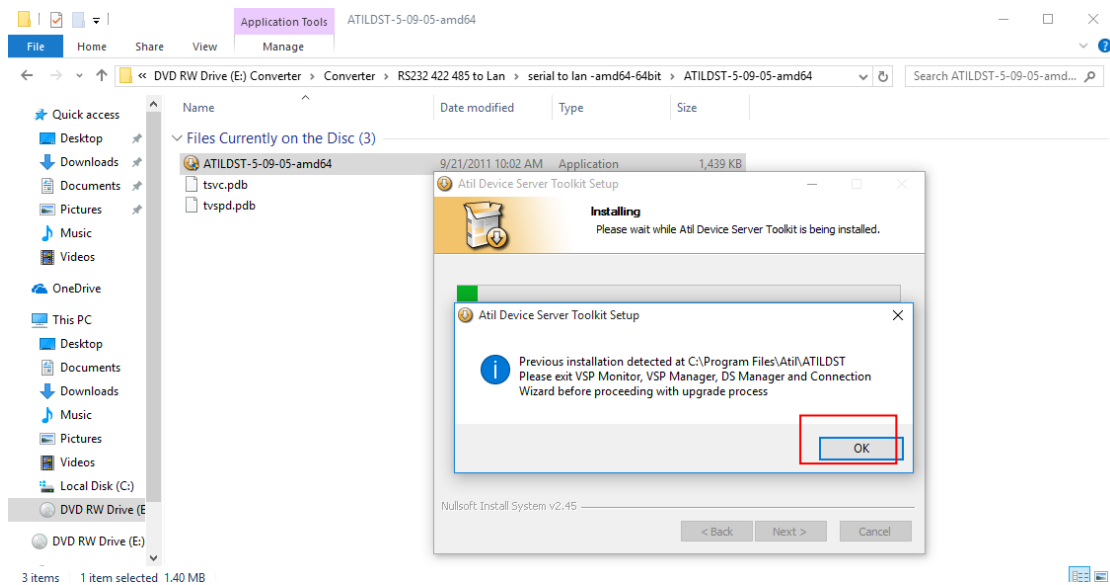
Click I Agree Button



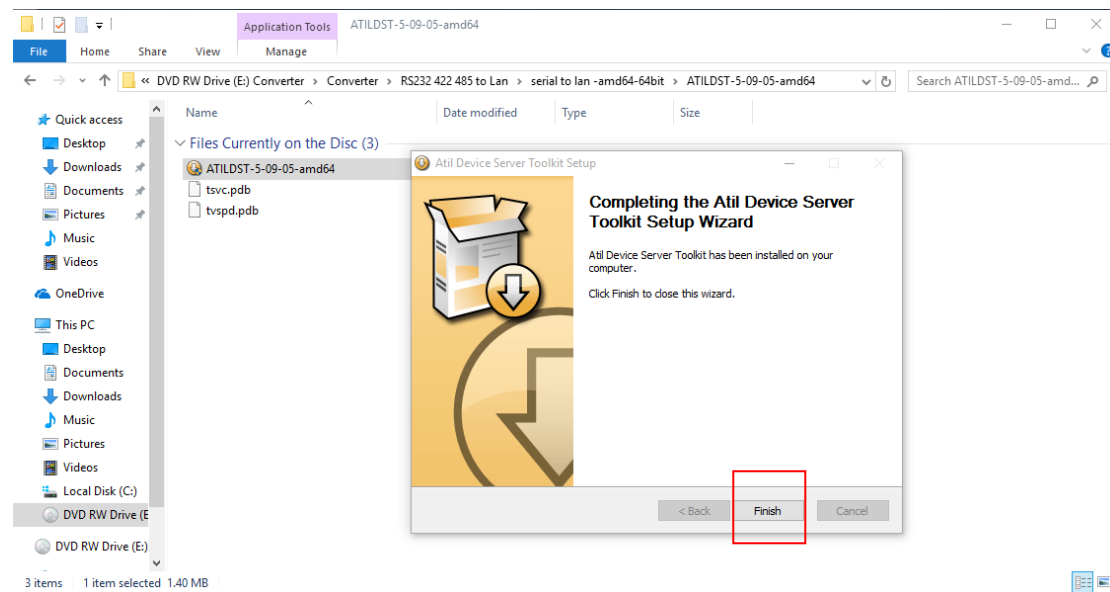
Click Next Button



Click Install Button

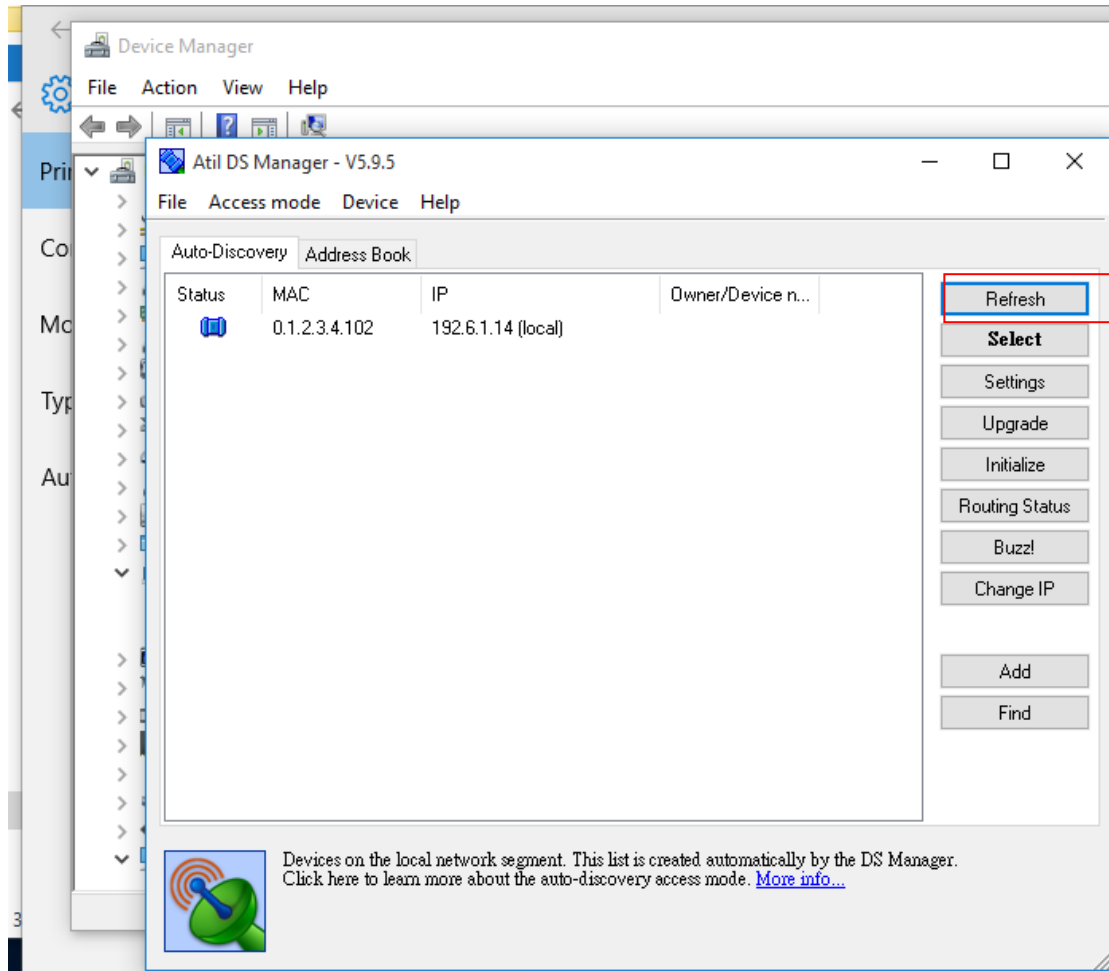


Click OK Button

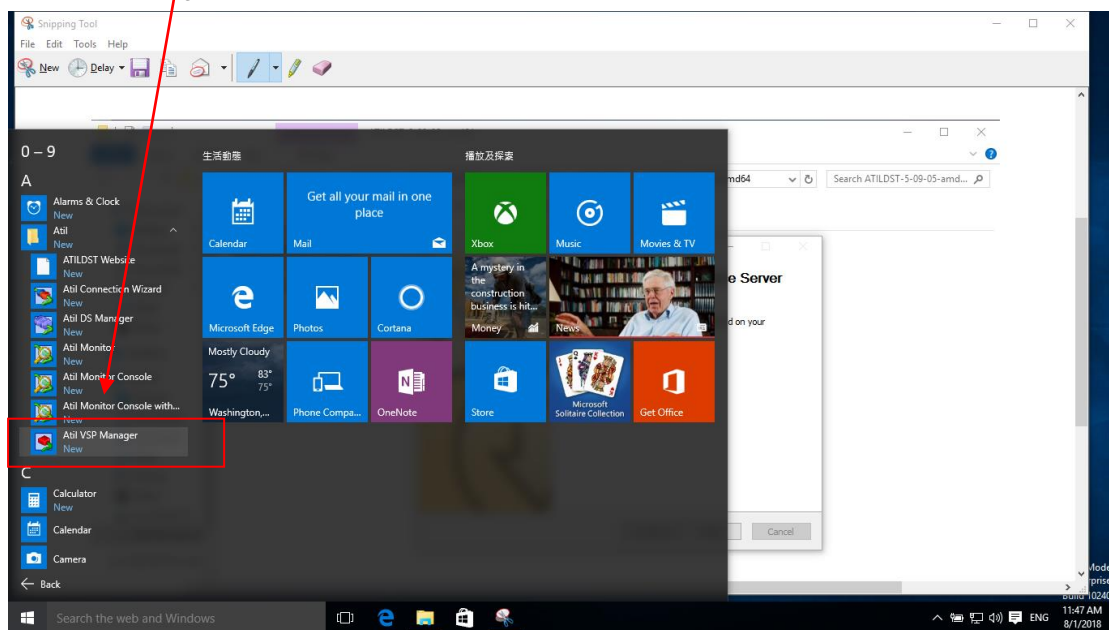


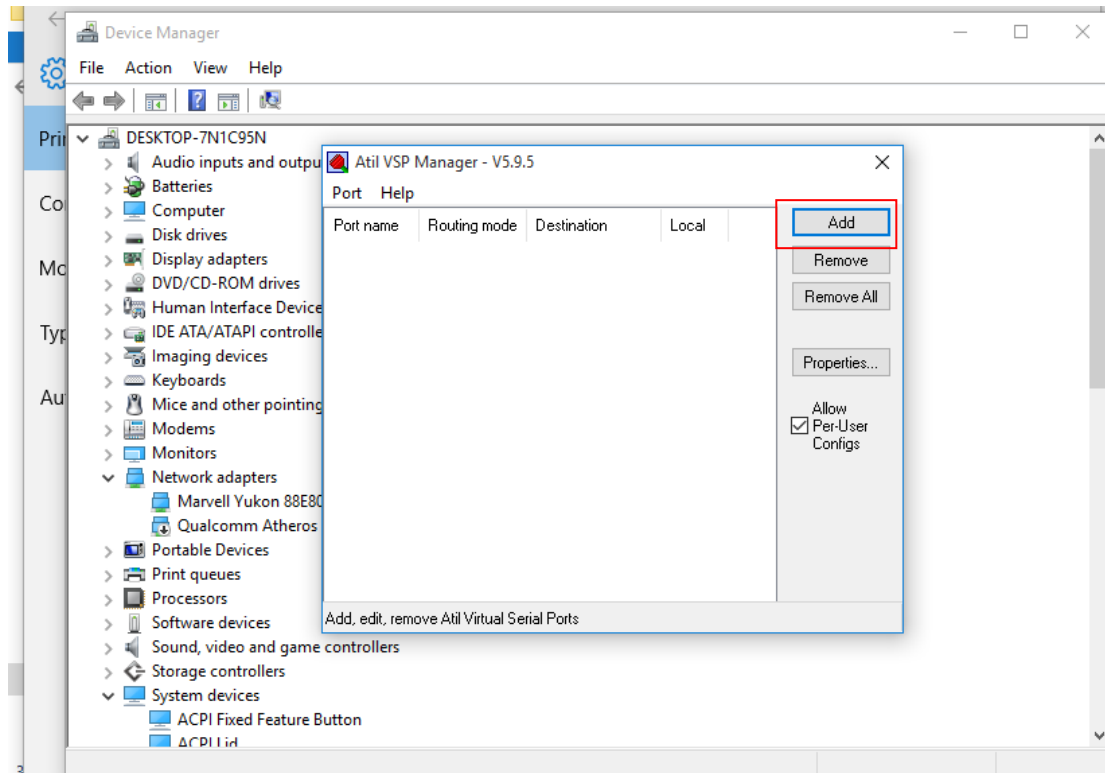
Click Finish **Button**

DS Manager V5.9.5

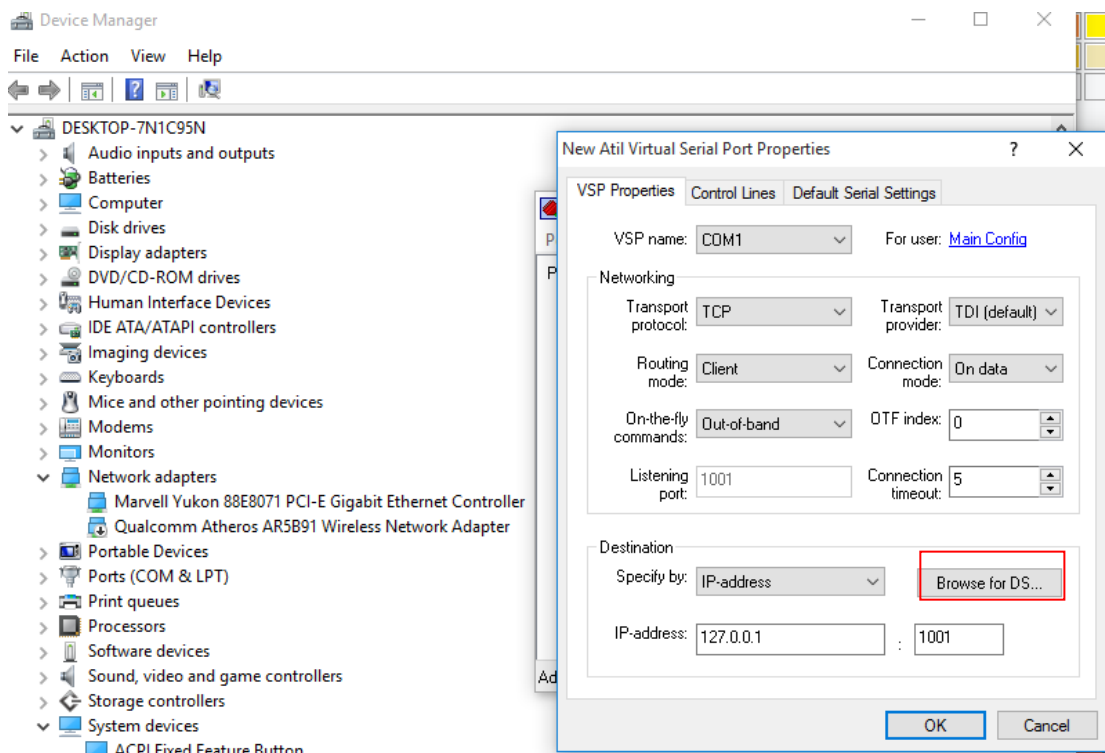


RUN VSP Manager V5.9.5

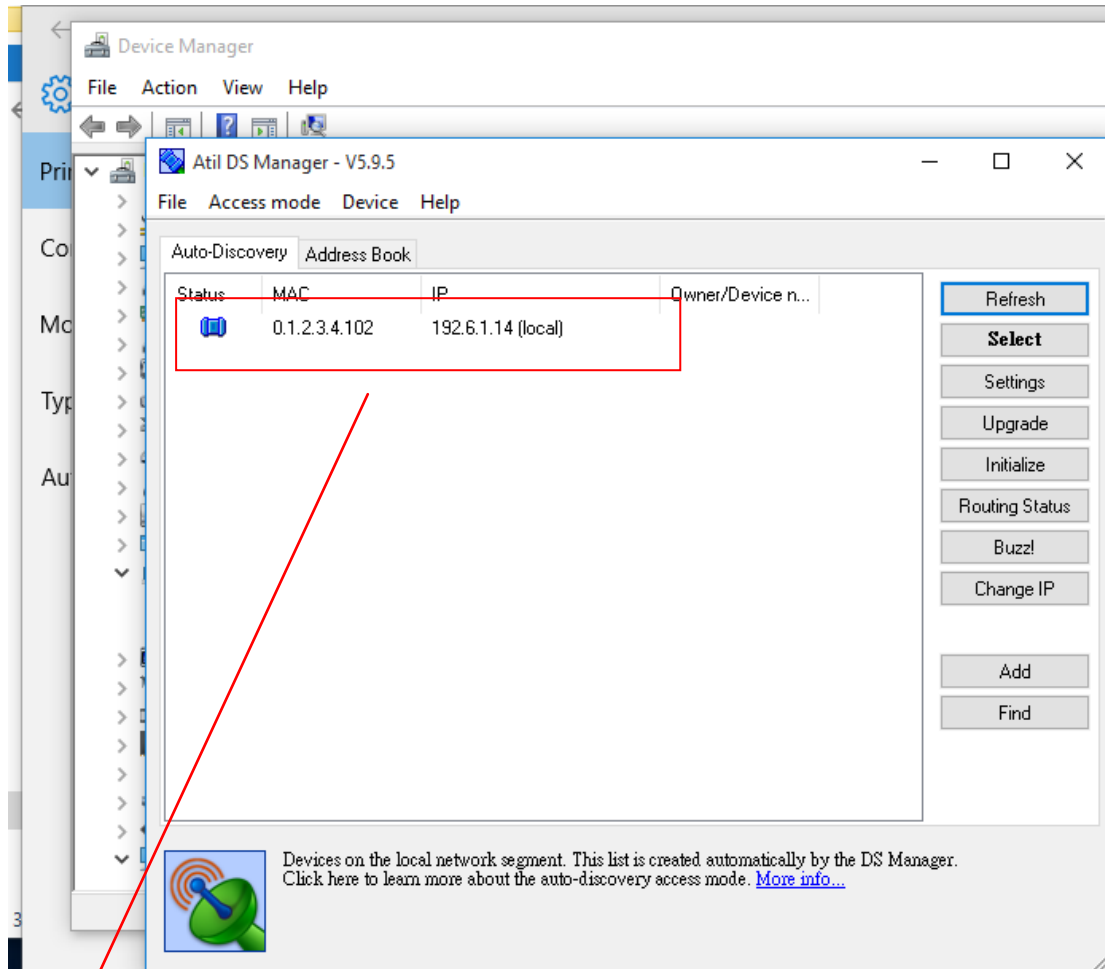




Add COM port

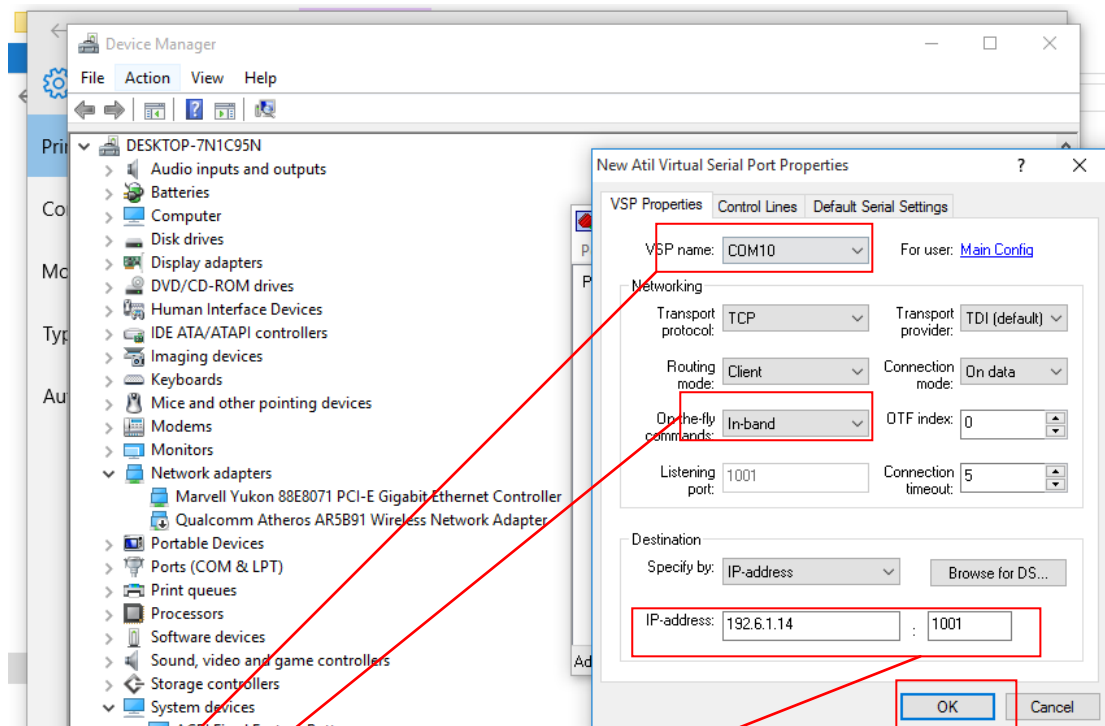


Click Browse for DS Button



Local Area Network Status

select device sever and Double click



setp1 select COM port

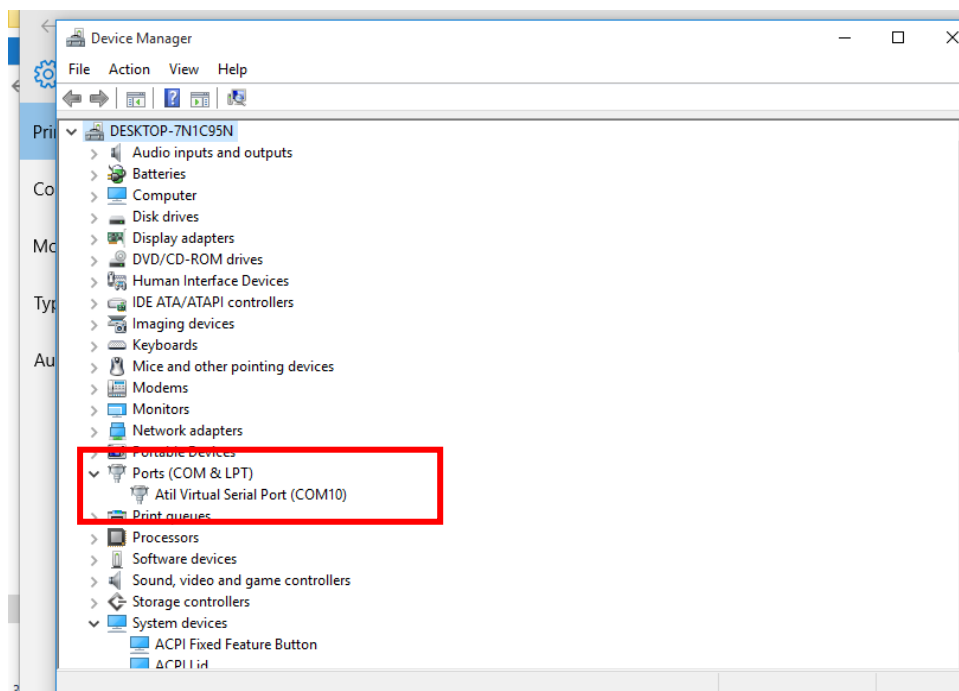
setp2 In band

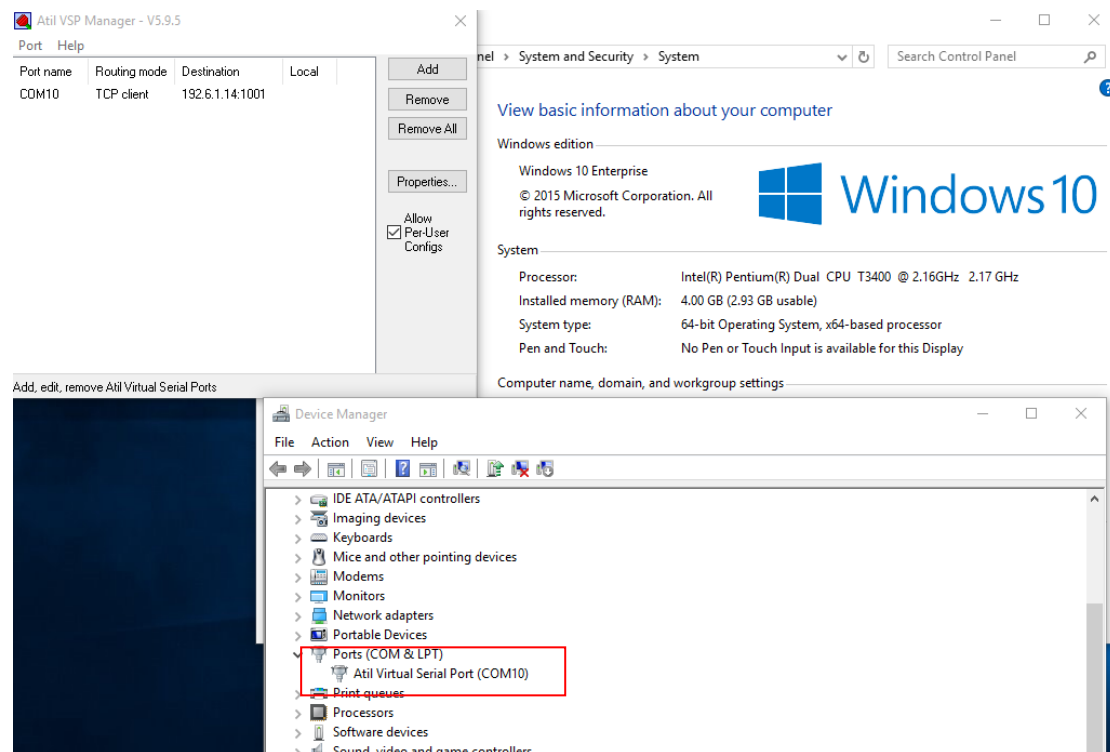
Local Area Network Status

IP-address : port number

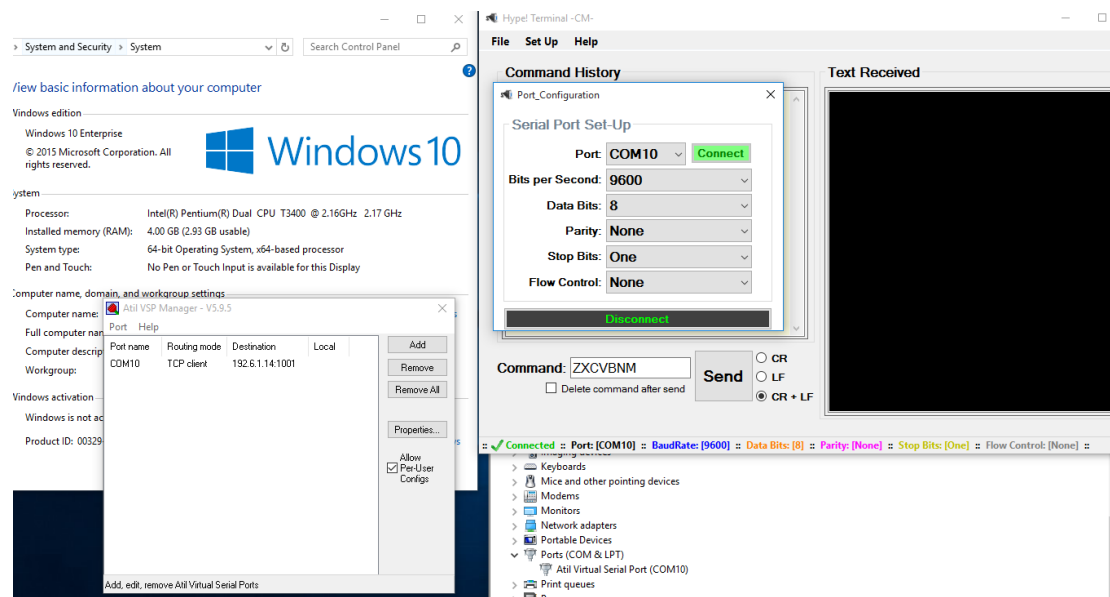
and OK

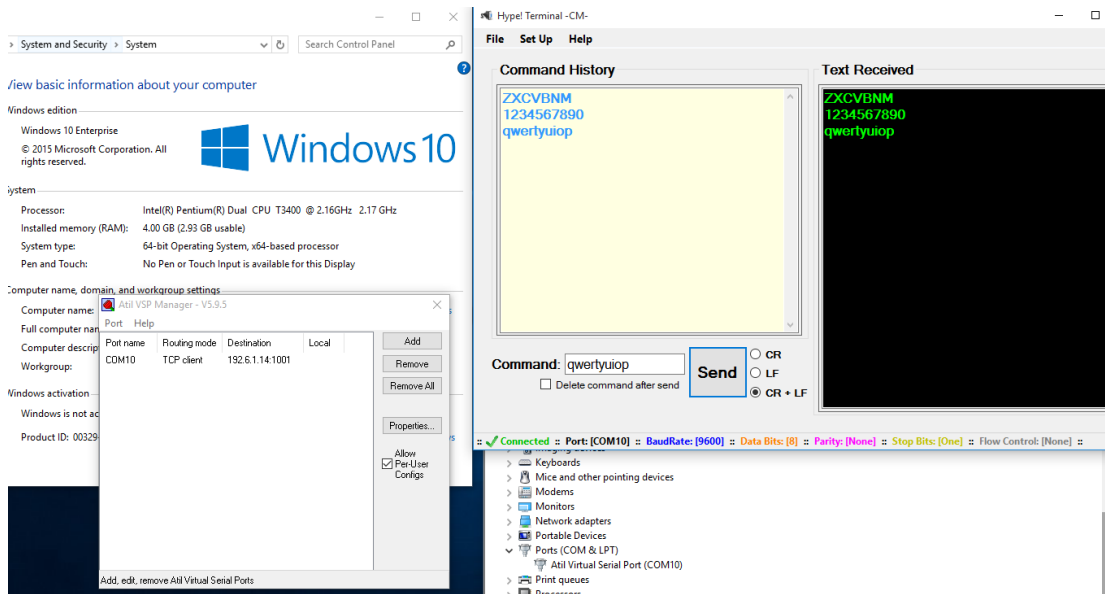
VSP COM10 OK





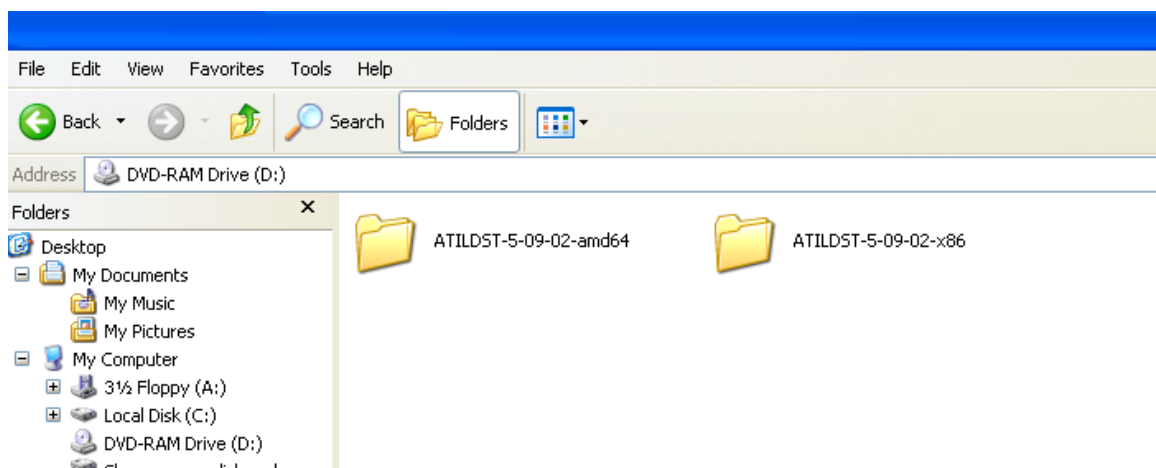
test COM10 loop back





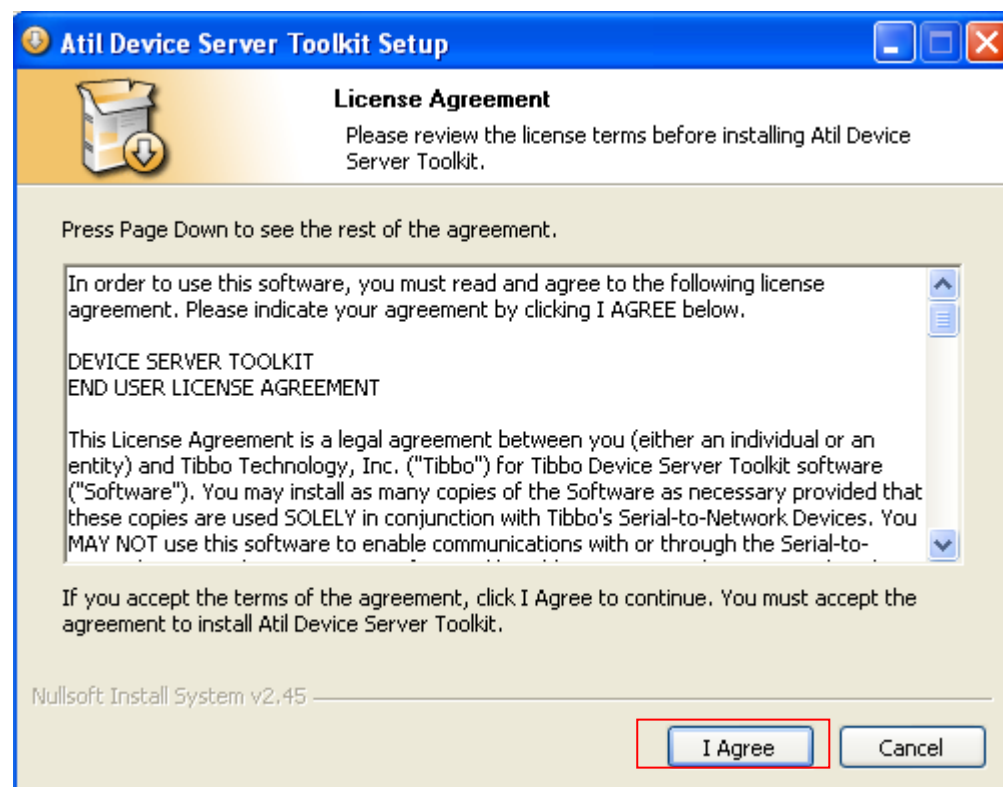
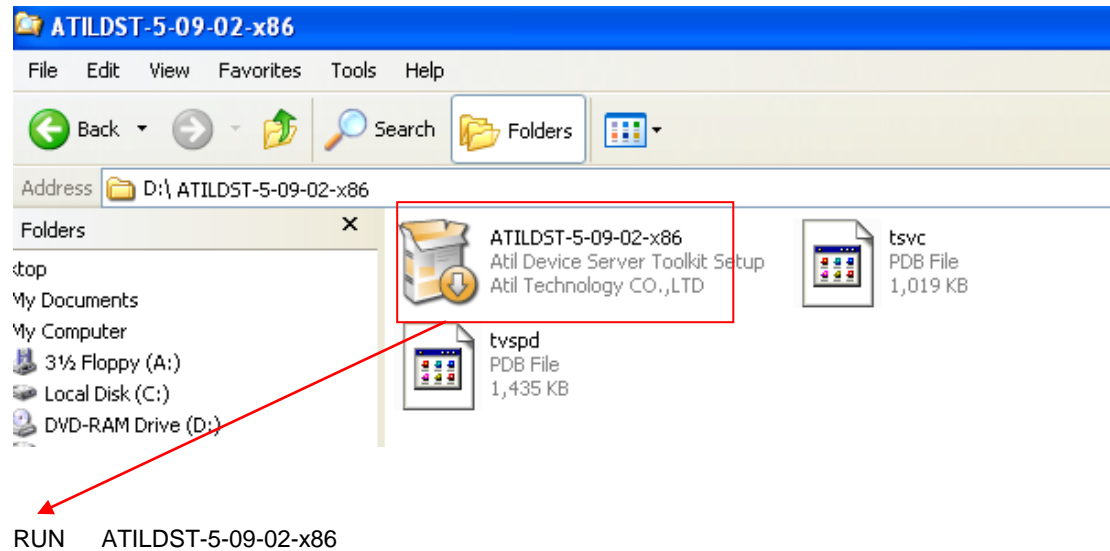
Virtual Serial Port Driver installation guide for windows XP

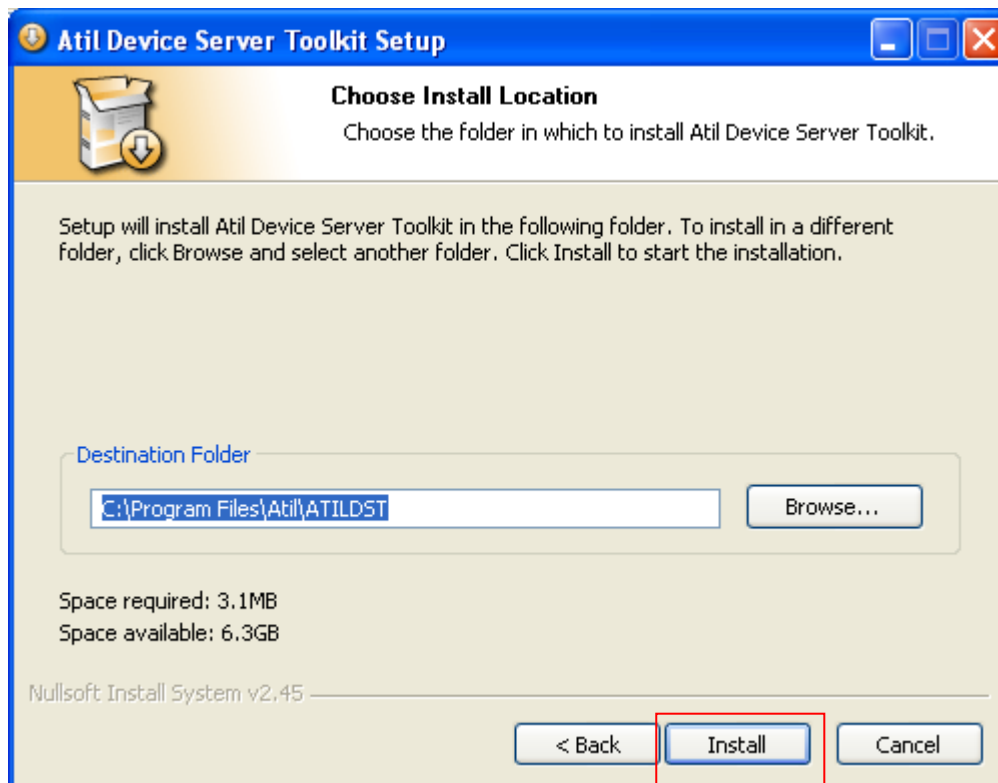
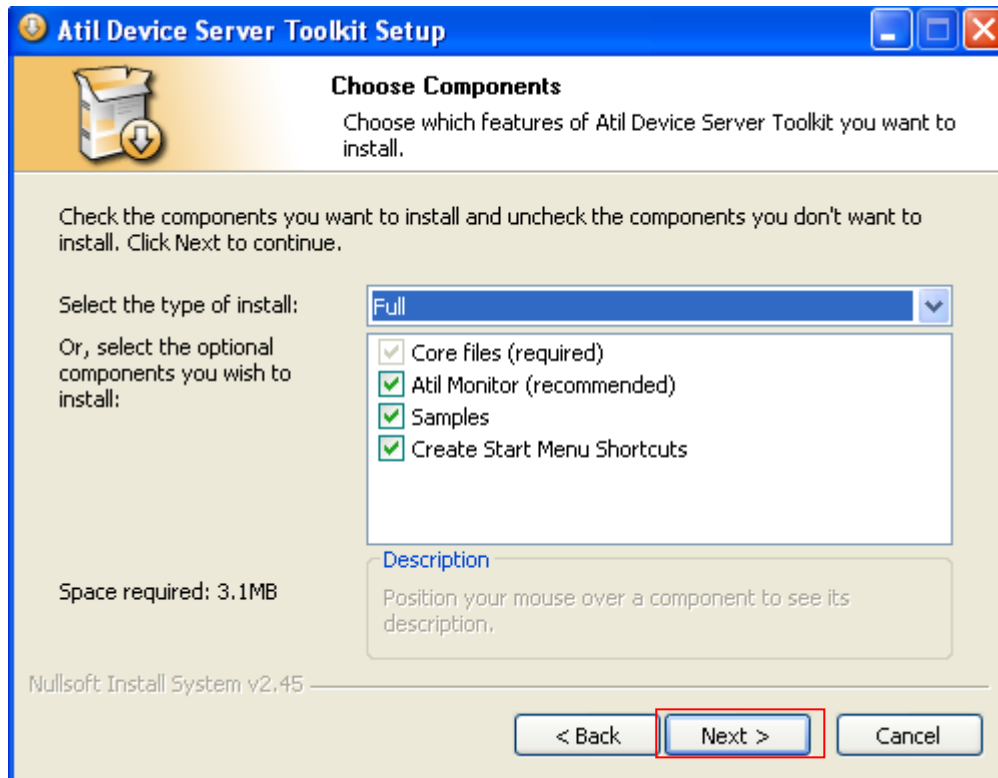
32bit



ATILDST-5-09-02-amd64 for 64bit windows operation system

ATILDST-5-09-02-x86 for 32bit windows operation system

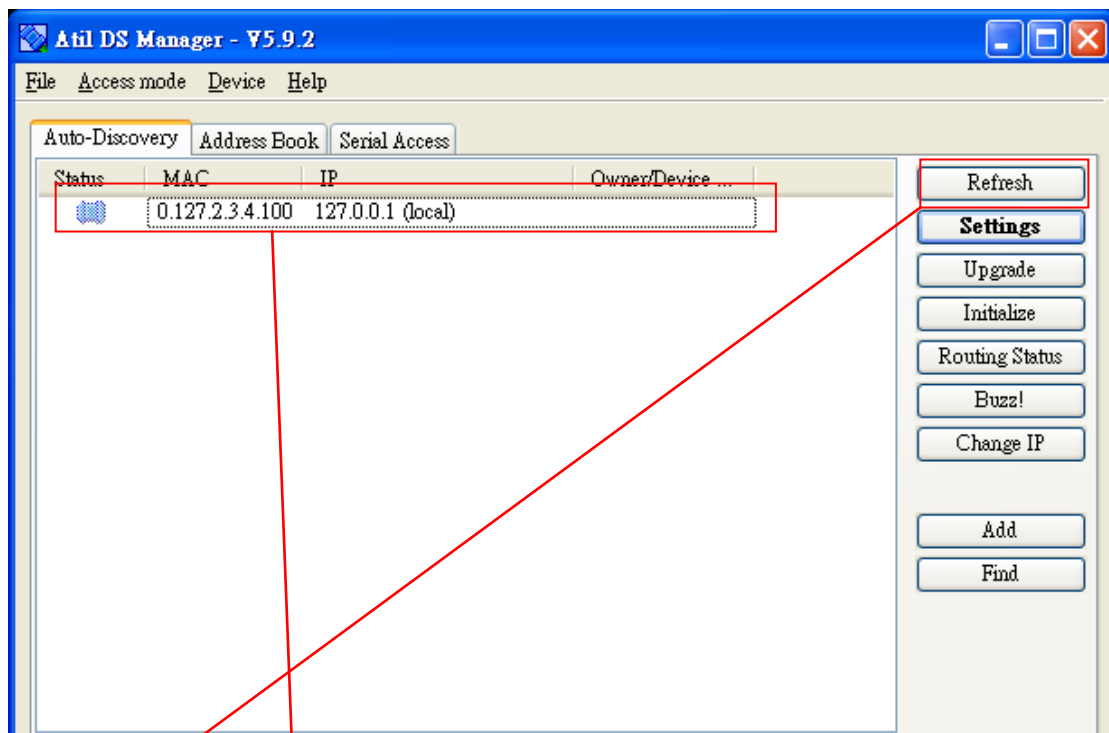






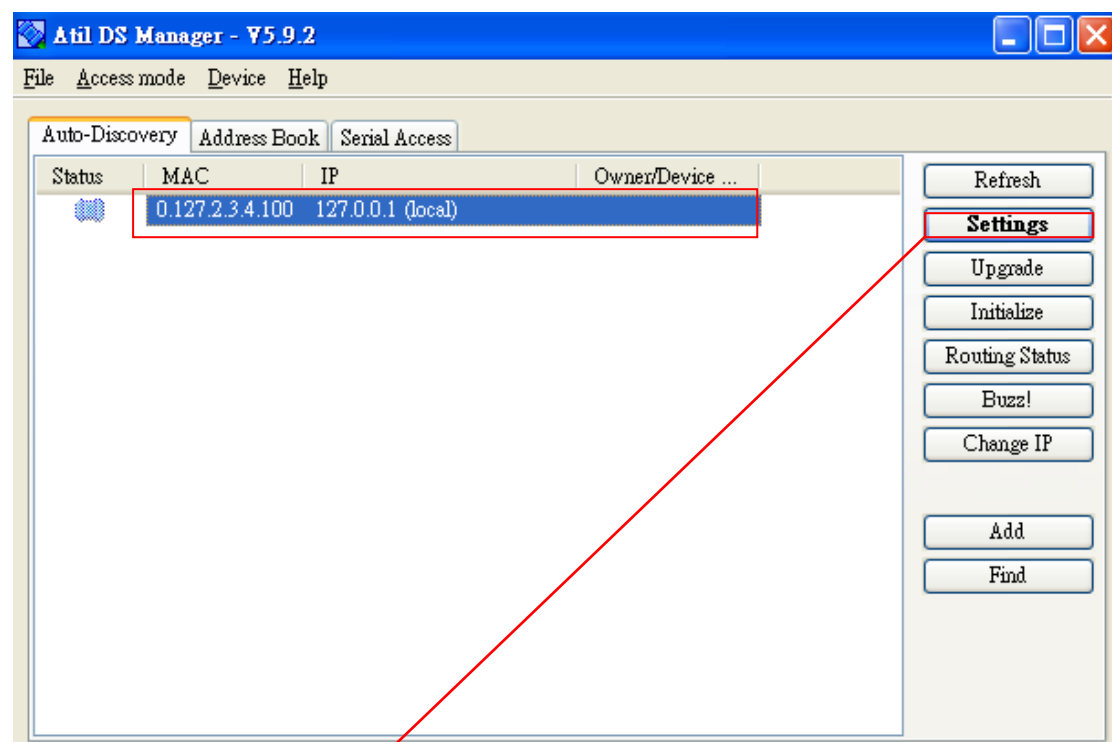
POWER ON Serial Over IP Device

RUN Atil DS Manager

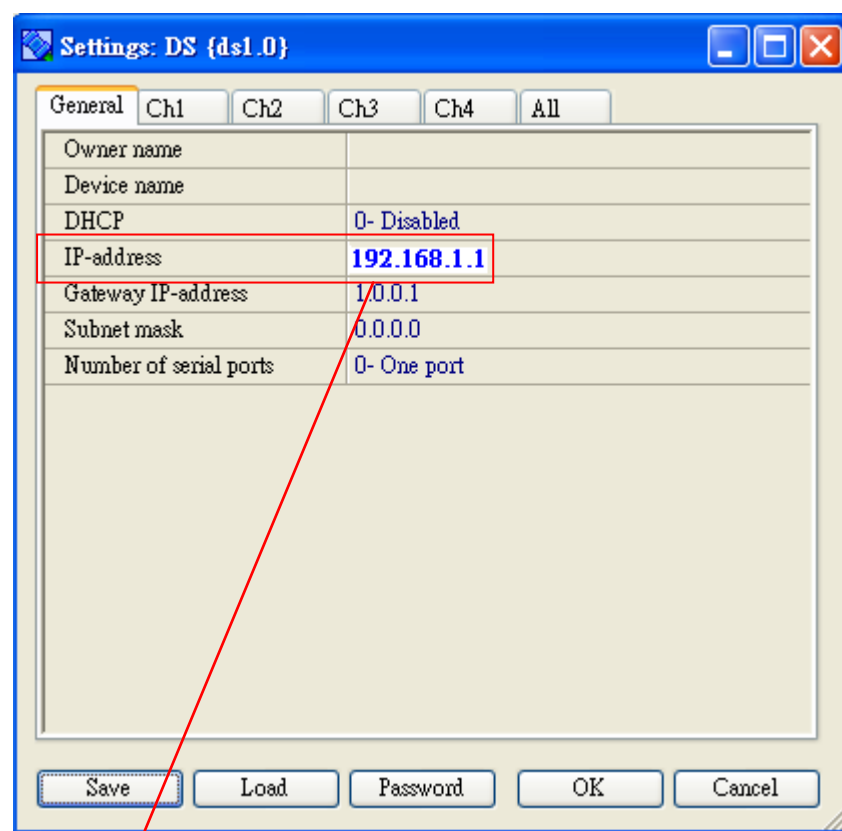


Refresh

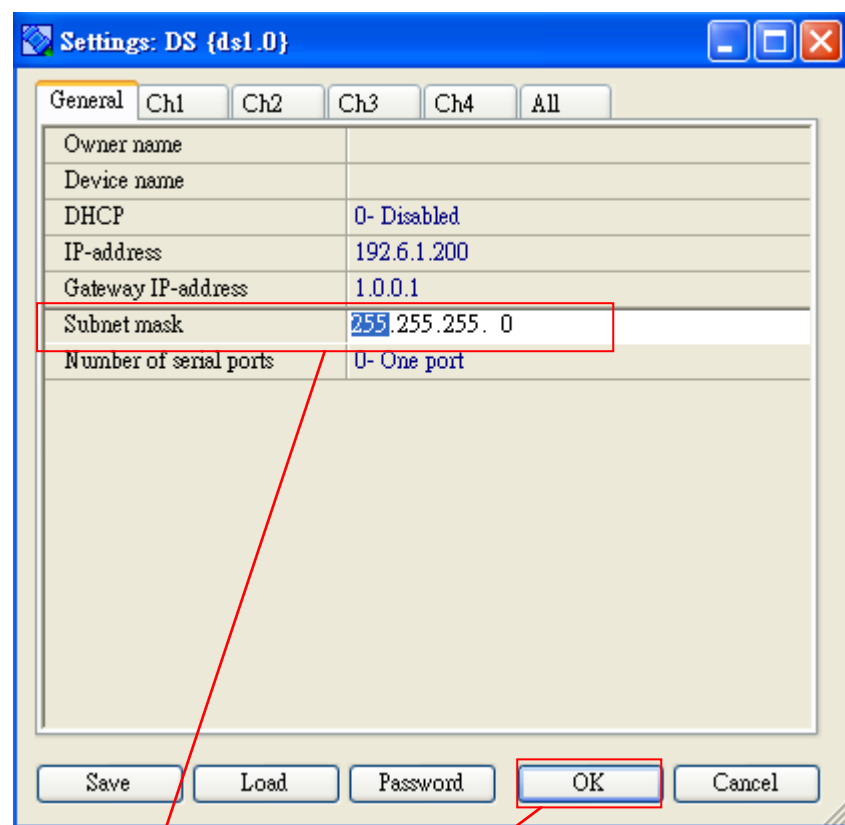
Different Local Area Network



Click blue and Click Settings Default IP 192.168.1.1

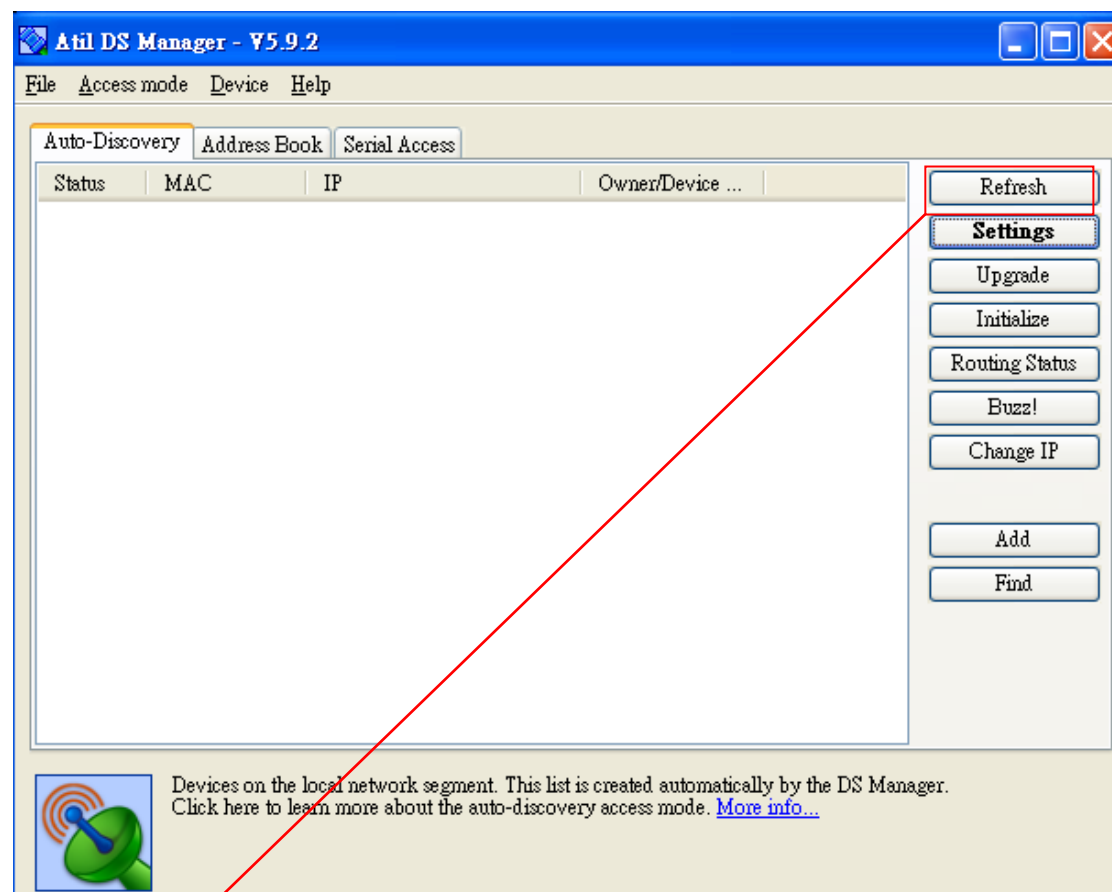


Change IP address

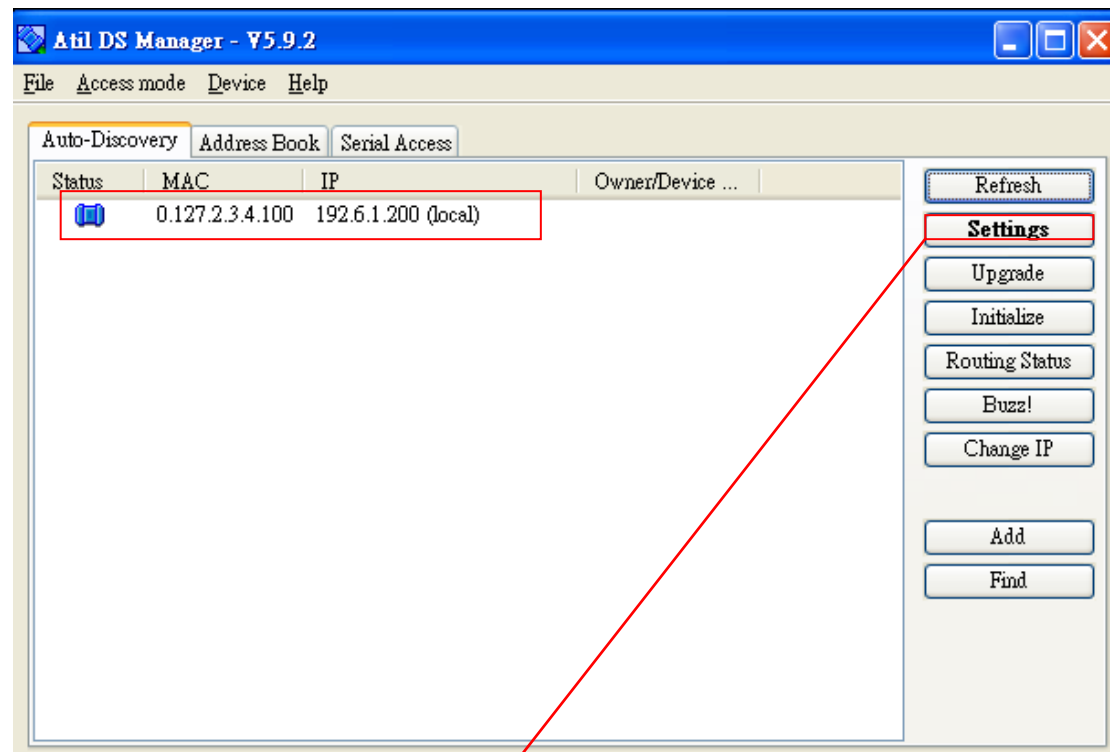


Change Subnet mask and Click OK

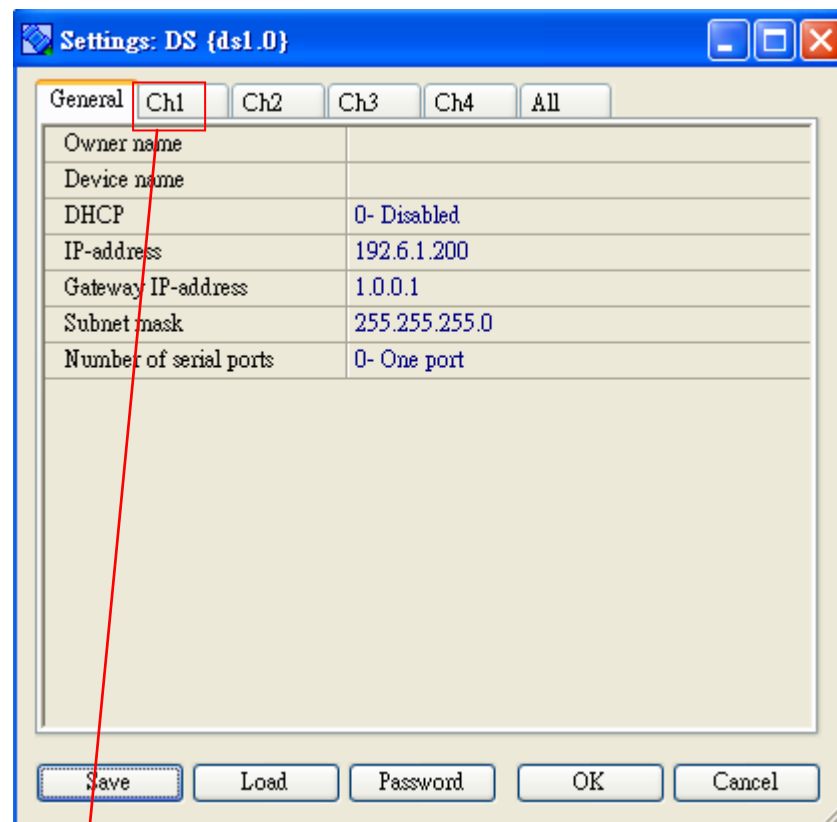
Serial Over IP Device reboot



Click Refresh



Local Area Network Status and Click Settings



Click Ch1

Default Ch1=1001

For RS232

General	Ch1	Ch2	Ch3	Ch4	All
Connection timeout (min)	5				
Transport protocol	1- TCP				
Broadcast UDP data	(irrelevant)				
Inband commands	0- Disabled				
Routing Mode	1- Server OR client (master)				
Accept connection from	0- Any IP-address				
Port	1001				
Connection mode	1- On data OR command				
Destination IP-address	1.0.0.1				
Destination port	1001				
Serial interface	0- Full-duplex (RS232)				
RTS/CTS flow control	0- Disabled OR remote				
DTR mode	0- Idle OR remote				
Power-up DTR state	0- LOW				
Baudrate	7-115200bps				
Parity	0- None				
Data bits	1- 8 bits				
Max intercharacter delay	1				
Soft entry into serial program	0- Disabled				
Escape character (ASCII code)	(irrelevant)				
On-the-Fly commands	1- Enabled				
Password for on-the-Fly commands	0- Disabled				
Notification bitmask	0				
Notification destination	0- Last port				

Save Load Password OK Cancel

Baud rate setting Serial Over IP Device Power ON Initial Baud rate the same equipment

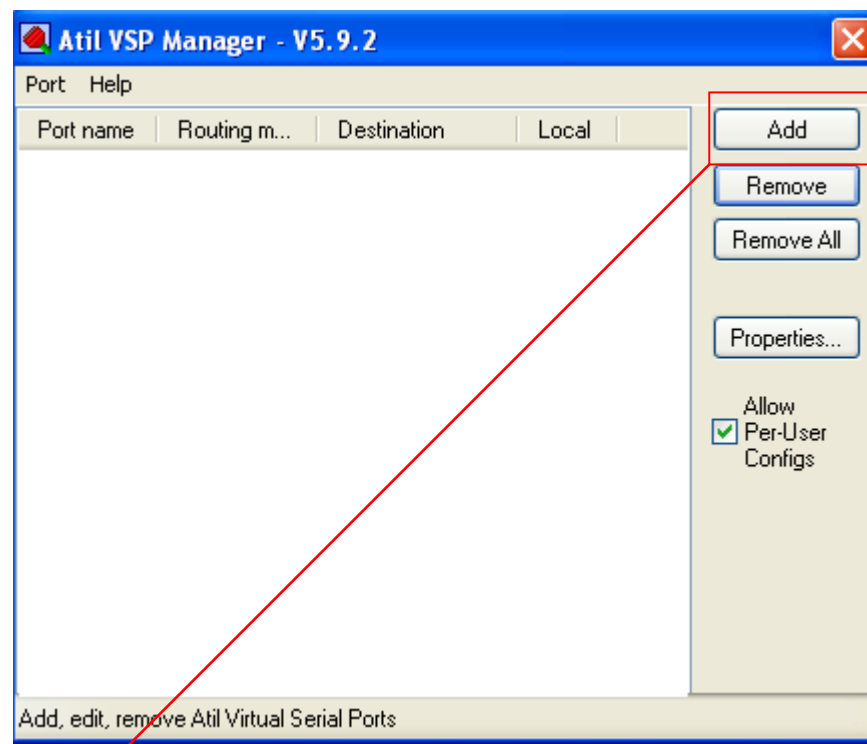
TCP/IP (Winsock)

Default Ch1=1001

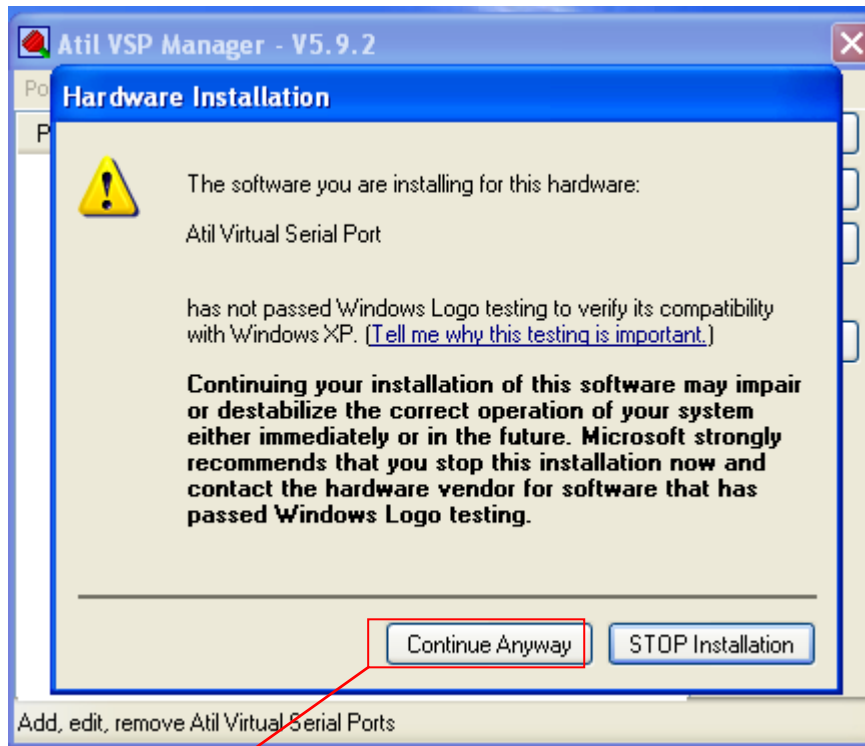
Virtual Serial Ports setting



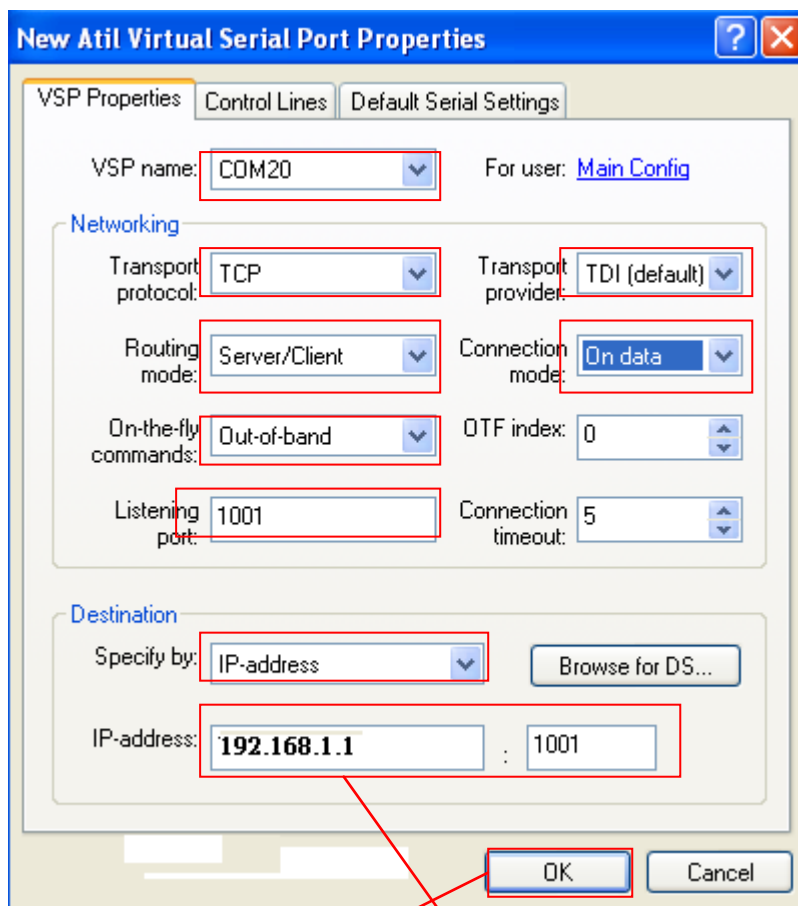
Click Atil VSP Manager



Click Add

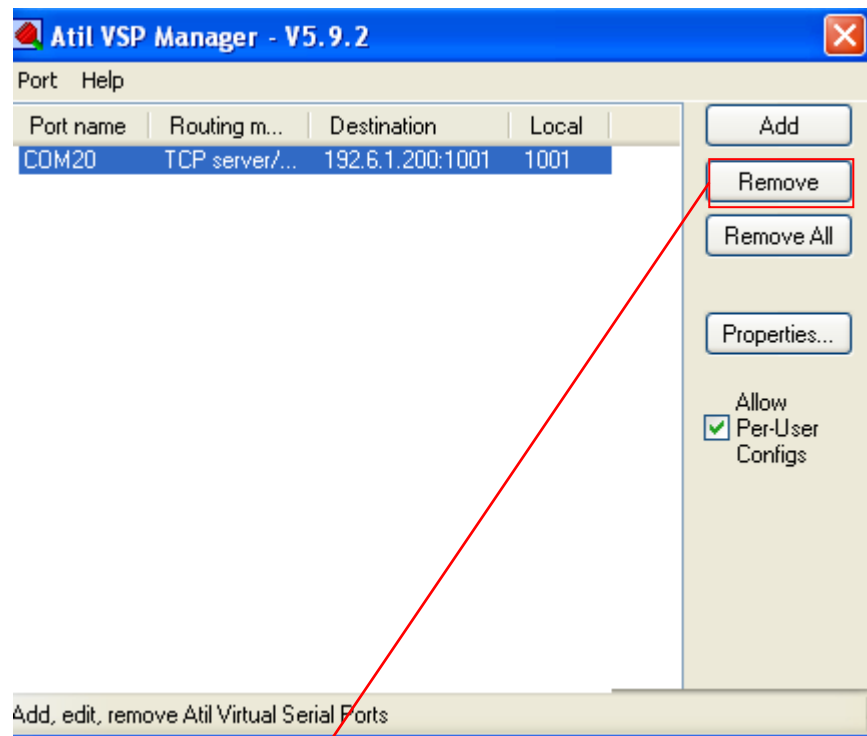


Click Continue Anyway



Red block set and Click OK Serial Over IP Device Page 9

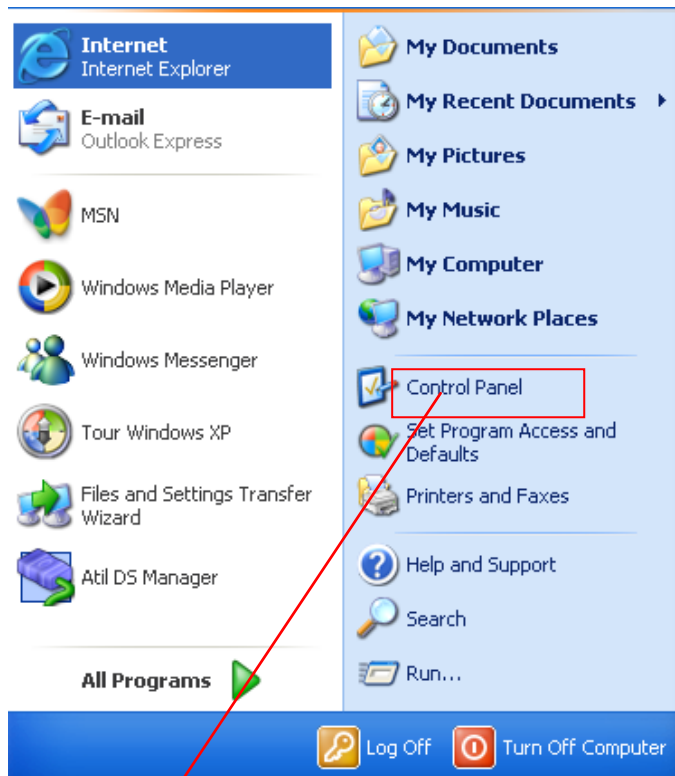
Default IP-address 192.168.1.1 :1001 =Ch1



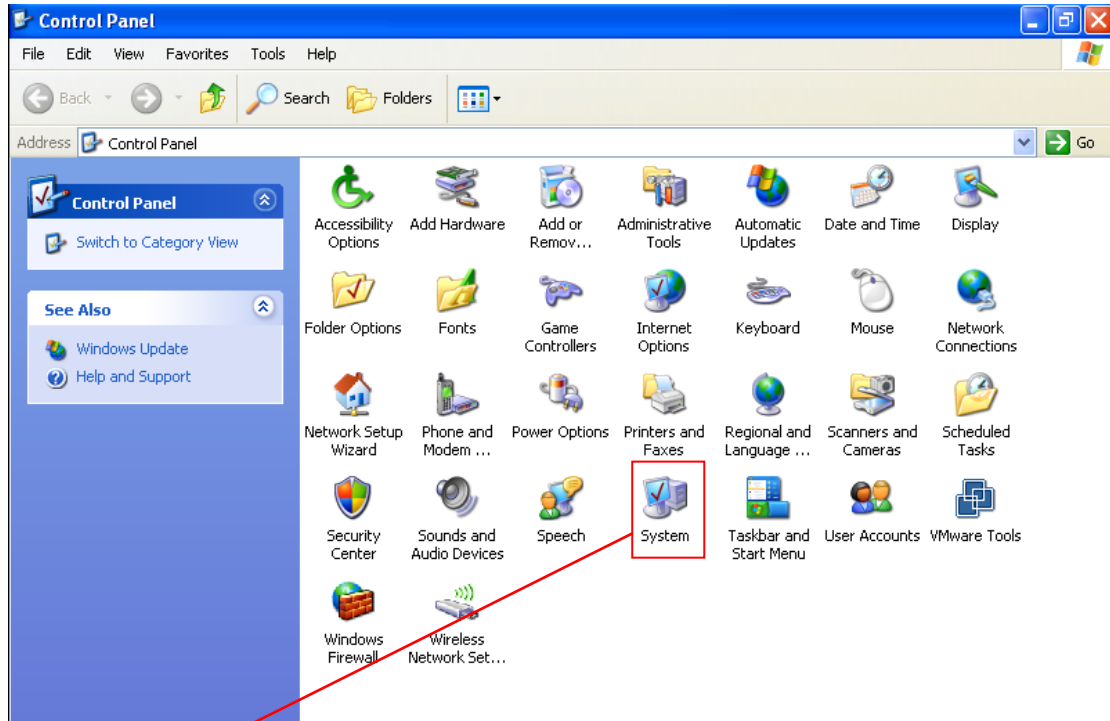
Virtual Serial Port (Virtual COM Port) OK

Delete Virtual Serial Port select COM20 and Click Remove

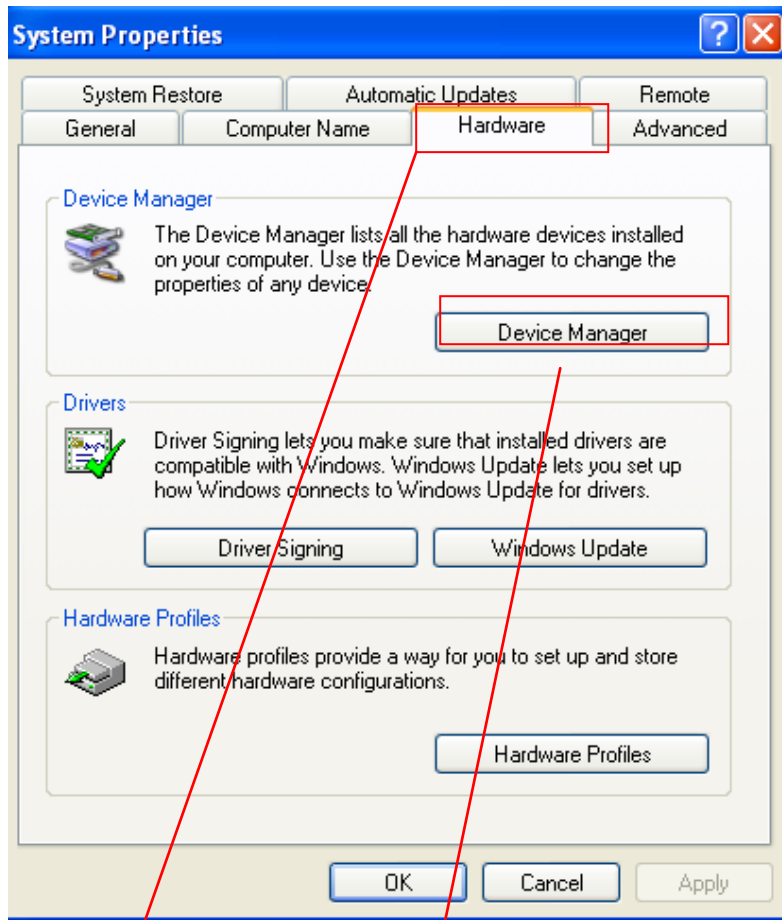
Checking Virtual Serial Port Control Panel



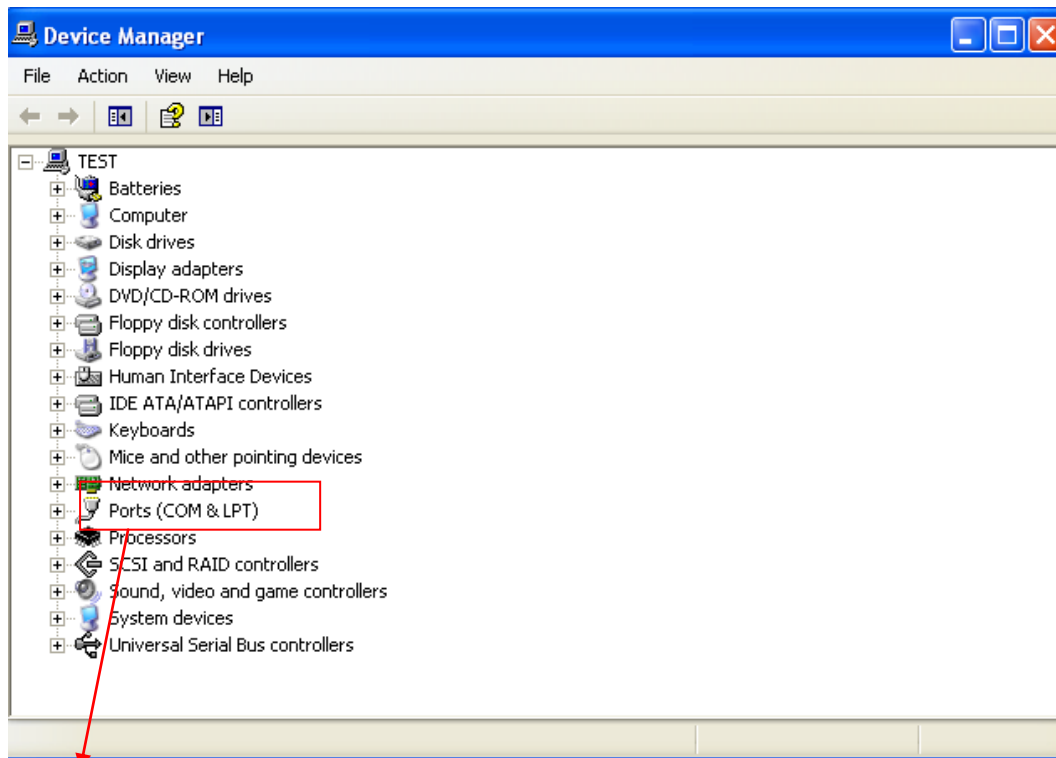
Click Control Panel



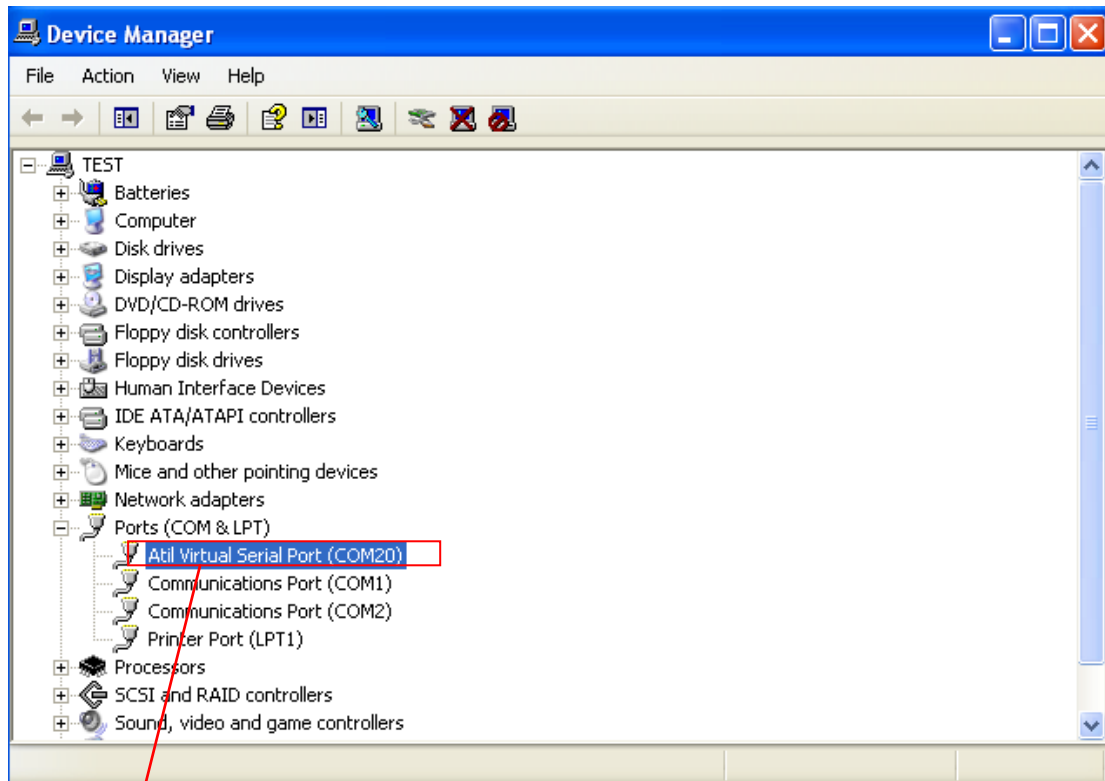
Click System



Click Hardware and Click Device Manager



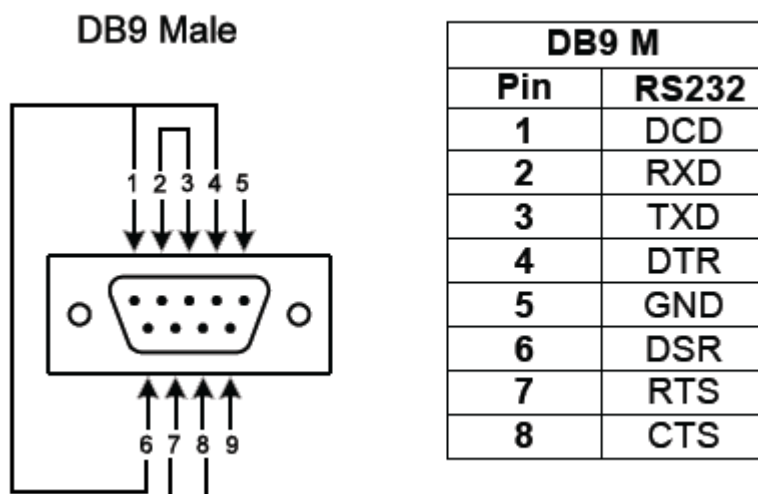
Click Ports



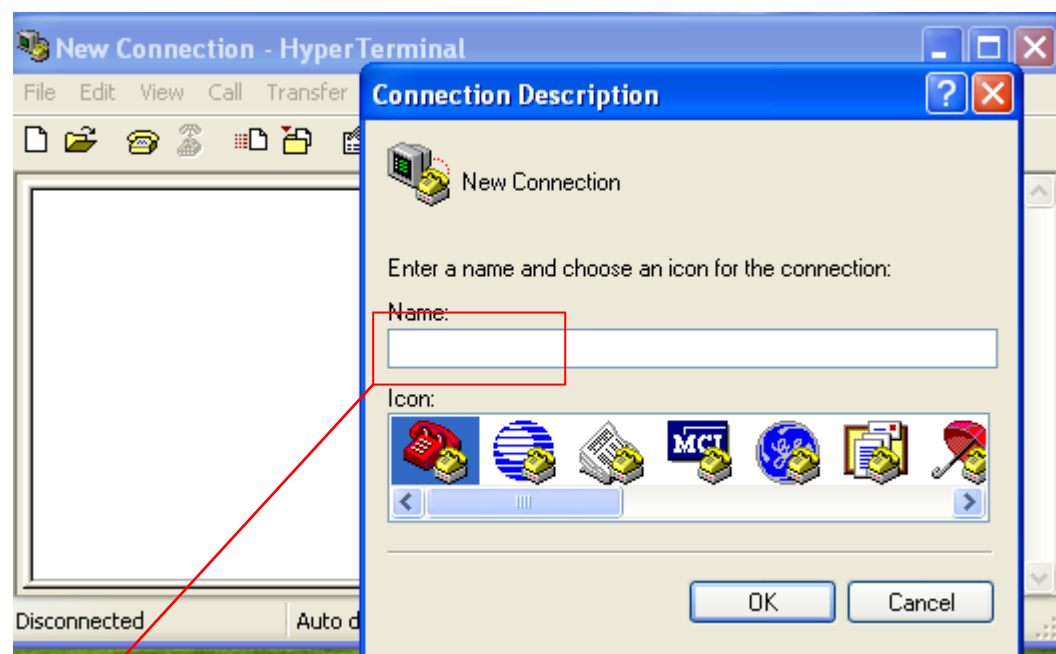
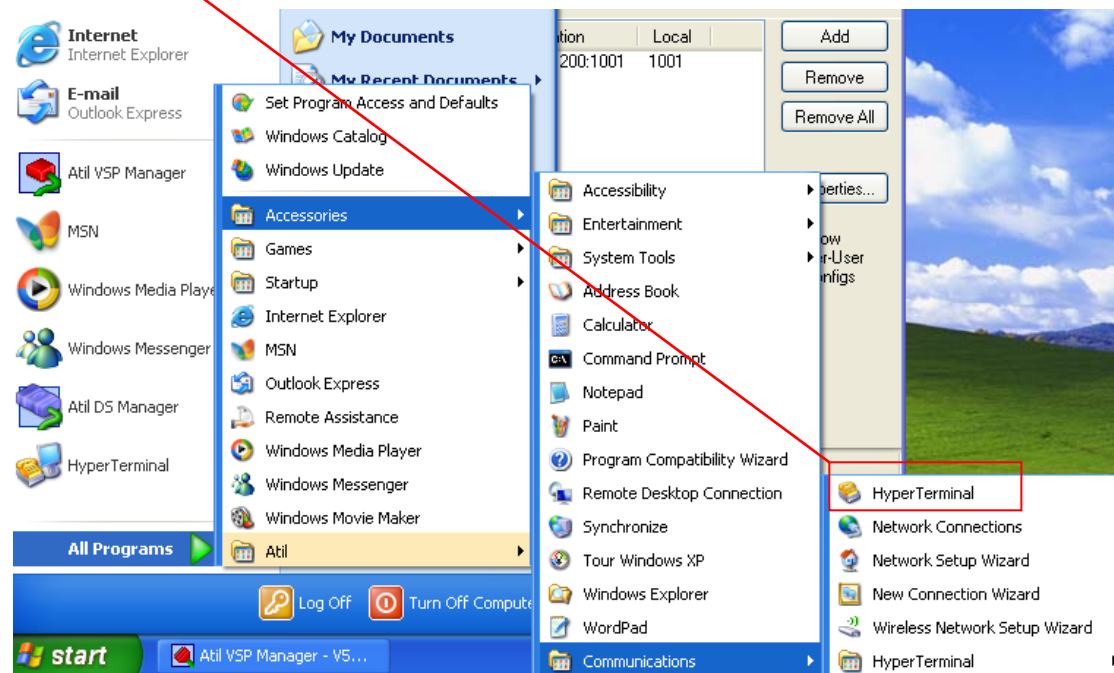
Serial over IP Virtual Serial Port OK

Test COM Port loop back

Loop back DB9



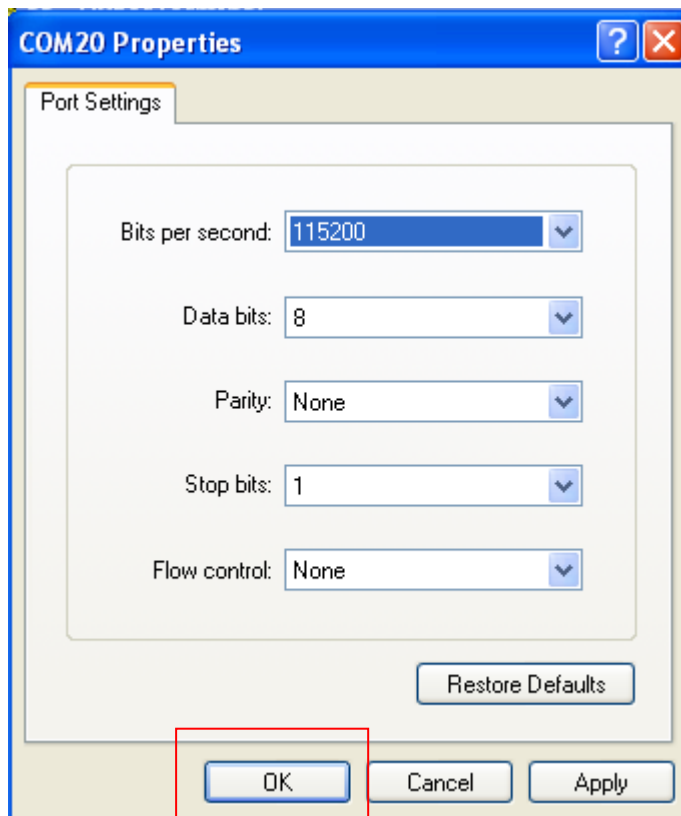
Open Hyper Terminal

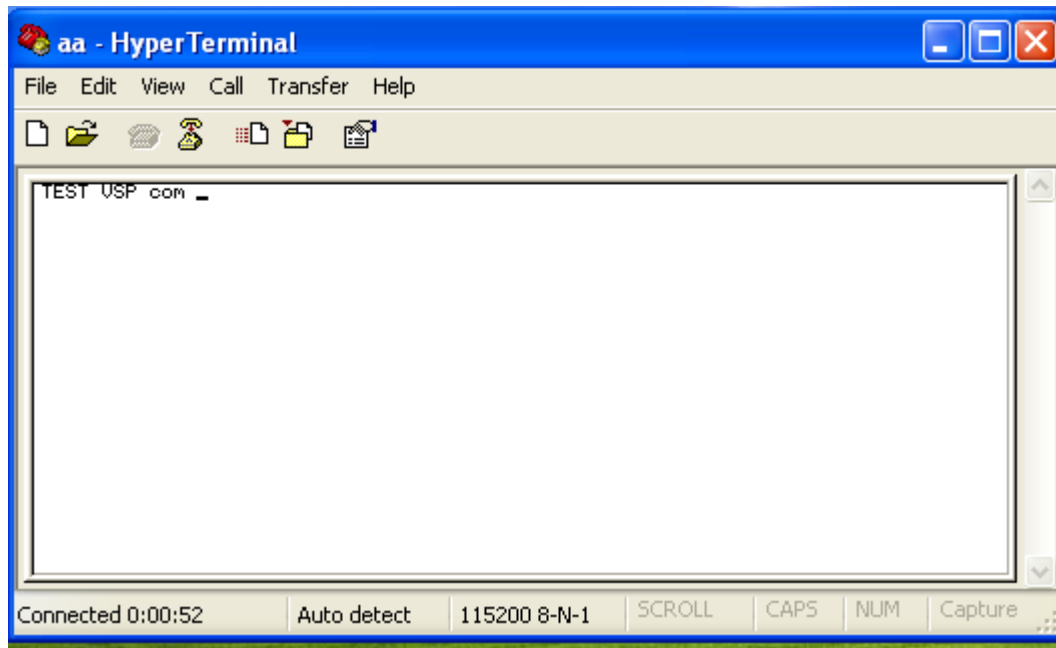


Name aa



Connect Using COM20 and Click OK





Virtual Serial Port COM20 test OK