How to print to TE100-PS1plus/PS3plus from XP using TCP/IP protocol?

Check/Add Network Protocol

1. Check the XP's network properties. Go to "Start" ∠ "Settings"∠ "Control Panel", and double click "Network Connections".



2. Right click on the Local Area Connection and select "Properties". If you do not see the Local Area Connection, either the network card is not installed or the driver was not loaded properly.



3. Check the items and make sure IPX/SPX and TCP/IP protocols are installed.

Local Area Connection Properties	?×
General Authentication Advanced	
Connect using:	
Realtek RTL8139 Family PCI Fast Ethernet NIC	
Configur	
This connection uses the following items:	
Client Service for NetWare	<u>^</u>
 Client for Microsoft Networks Reference on the second second	
🗹 📮 OoS Packet Scheduler	~
Install Uninstall Property	15
Description	
Enables this computer to log on to NetWare servers and access their resources.	
Sho <u>w</u> icon in notification area when connected	
ОК С	ancel

4. If any of them is not installed, click on "Install" to add the protocol. After adding the TCP/IP protocol, click to highlight the TCP/IP and then click on "Properties".

General Authentication Advanced Connect using: Realtek RTL8139 Family PCI Fast Ethernet NIC Configure This connection uses the following items: NWLink NetBIOS NWLink NetBIOS NWLink IPX/SPX/NetBIOS Compatible Transport Prot Internet Protocol (TCP/IP)	
Connect using: Realtek RTL8139 Family PCI Fast Ethernet NIC Configure This connection uses the following items: NWLink NetBIOS NWLink IPX/SPX/NetBIOS Compatible Transport Prot Internet Protocol (TCP/IP)	
 Realtek RTL8139 Family PCI Fast Ethernet NIC Configure This connection uses the following items: NWLink NetBIOS NWLink IPX/SPX/NetBIOS Compatible Transport Prot Internet Protocol (TCP/IP) 	_
Configure This connection uses the following items:	
This connection uses the following items:	
WUInk NetBIOS WUINK IPX/SPX/NetBIOS Compatible Transport Prot Tinternet Protocol (TCP/IP)	
WLink IPX/SPX/NetBIUS Compatible Transport Prot Tinternet Protocol (TCP/IP)	
	Γ
Install Properties	
Description	
wide area network protocol that provides communication across diverse interconnected networks.	
Show icon in notification area when connected	
OK Cancel	

Note: IPX/SPX is required to run the PS Admin print server setup program.

5. Click on Obtain an IP address automatically if you have a DHCP server on the network that distributes IP, or select "Use the following IP address:" and then input desired static IP addresses. Click Ok when finished.

Internet Protocol (TCP/IP) Prope	erties 🛛 💽 🔀			
General				
You can get IP settings assigned auto this capability. Otherwise, you need to the appropriate IP settings. Obtain an IP address automatica Use the following IP address:	matically if your network supports ask your network administrator for lly			
IP address:	192.168.0.200			
S <u>u</u> bnet mask:	255 . 255 . 255 . 0			
Default gateway:				
O Detain DNS server address automatically Image: Server address automatically				
	Ad <u>v</u> anced			

6. Connect the Print Server, Printer, and power on the units.

Install PS ADMIN Print Server Setup Program and Configure Print Server

7. Insert the PS Admin CD-ROM to the computer and the setup program will auto-run. Select to install the ADMIN program, follow the instructions on the screen to complete the installation, and open the PS Admin. You should see the Print Server Name on the left hand side. The default print server name is PS-#####. Click to highlight the Print Server and then click on TCP/IP Protocol under "Configuration".



8. Input the proper IP addresses and click "Ok". Record the IP address.

- ICP/IP Settings IP Address	192 168 0	110
Subnet Mask	255 255 255	0
Default Gateway	0.0.0	0
Options		_
IP Assignmen	t SNMP Tra	ър

9. Back to the Main menu, select the Server name again and then select "Server Device".

🚰 EtherP Admin	- 🗆 🗡
Eile Configuration Management NetWare Tools Help	
Image: Server Name Filter: Instruction All Devices Instruction Server Name Image: Server Name Ps_support Server Device Ps_support Instruction Ps_sit Configuration Itetware Protocol Print Ouclues Instruction Print Ouclues Ps_support Print Colo Ps_sit Print Servers Print Servers Print Servers Printer Status Printer Status Period Diagnostics Print Reset Print Server Print Jobs Printoge	nware
Ready 3 Print Servers	ti 🚺

10. Input the desire Server Name (or you can leave it at default), select to enable the TCP/IP protocol and then at "Port Settings" select which port you are going to configure.

Protocols Enabled F HetWare TCP/IP AppleTalk HetBEUI

11. Enter the Port Name and then select "OK". If the Print Server name is **ps_art** and you are setting up Print Server's **LPT1**, the port name must be **ps_art-p1**. You can also leave everything as default and just record the Port Name.

~	Port Name	ps_art-p1	
C	Description	HP1200	
	Speed	High	_
	PJL Printer	No	•

12. Select "OK" again to go back to the main menu, select "Save Configuration", and then click "Yes" and "OK" to save the settings. The Print Server will now save the settings and then reset the device (This may take a minute). After the reset, click on "Print Test", select the port with printer connected to it, and then select "OK". A test page should be printed.



Add Printer

13. Click on "Start" "Settings" "Control Panel" and then double click on "Printers and Faxes"



14. Click on "Add a Printer".

🝓 Printers and Faxes		
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> oo	ols <u>H</u> elp	N
🌀 Back 🔹 🕥 🕆 🏂 🔎	Search 🍺 Folders	
Address 🍓 Printers and Faxes		💌 🄁 Go
Printer Tasks Image: Constraint of the second sec		
See Also		
Other Places 🙁		
Control Panel Scanners and Cameras My Documents My Pictures	×	

15. The add printer wizard will pop up. Click "Next".

Add Printer Wizard	
	Welcome to the Add Printer Wizard
	This wizard helps you install a printer or make printer connections.
	If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you. To continue, click Next.
	K Back Next > Cancel

16. Select "Local printer attached to this computer" and click "next".

Add Printer Wizard
Local or Network Printer The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Operation of the second s
Automatically detect and install my Plug and Play printer
O A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back Next > Cancel

17. Click "Use the following port", select LPT1, and then click "next".

Add Printer Wizard
Select a Printer Port Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
C Create a new port: Type of port: Local Port
< <u>B</u> ack <u>N</u> ext > Cancel

18. Select the manufacturer and the printer and click "Next". If you have the printer driver disk, insert the disk, click "have disk", and load the driver.

Add Printer Wizard			
Install Printer Solt The manufacture	ware rand model	determine which printer coftware to use.	Ì
Select the man disk, disk Hav competible prin	ufacturer an e Disk, If yo ter software	d model of your printer. If your printer came wit ar printer is not listed, consult your printer docu	h an installation mentation for
Manufacturer	^	Printers	~
NEC NRG Doe Dki Ukidate	× I	Childata LasarLine 5 Childata ML 164-IBM Turbo Childata ML 192 Plus Childata ML 192	
This driver is digital Tell me why driver s	y signed iqning is imp	Windows Update	Have Disk.
		< Back Newt >	Cancel

19. Input the printer name and click "next".

Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible. Printer name: Okidata ML 184-IBM Turbo
< <u>B</u> ack <u>N</u> ext> Cancel

20. Click "No" and click "Next".

Add Printer Wizard
Print Test Page To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
OYes
< <u>B</u> ack Next > Cancel

21. Click "Finish".

Add Printer Wizard					
	Completing the Add Printer Wizard				
	You have suc You specified	You have successfully completed the Add Printer Wizard. You specified the following printer settings:			
	Name:	Okidata ML 184-IBM Turbo			
	Share name:	Share name: <not shared=""></not>			
	Port: LPT1:				
	Model: Okidata ML 184-IBM Turbo				
	Default:	Yes			
	Test page:	No			
	To close this	wizard, click Finish.			
< <u>B</u> ack Finish Cancel					

<u>Configure Printer to Print to Print Server</u> 21.Back at the "Printer and Faxes" screen, you should see the newly added printer. Right click on the Printer and then select "Properties".

🝓 Printers and Faxes		
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> oo	ols <u>H</u> elp	2
🚱 Back 🔹 🕥 🕆 🏂 🔎	Search 🎼 Folders	
Address 🍓 Printers and Faxes		💌 🔁 Go
Printer Tasks Image: Comparison of the system Image: Add a printer Image: Comparison of the system Image: Set up faxing Image: Comparison of the system	Okidata ML 184-IBM Turbo	
See Also		
Other Places 🙁		
Control Panel Scanners and Cameras My Documents My Pictures	Y	

22. Click on "Ports" tab.

💕 Okidata ML 184-IBM Turbo	Properties 🛛 🛛 🛛
General Sharing Ports Advan	ced Device Settings
Dkidata ML 184-IBM	Turbo
Location:	
<u>C</u> omment:	
Model: Okidata ML 184-IBM 1	furbo
Features	D
Lolor: No Double-sided: No	
Staple: No	
Speed: Unknown	
Maximum resolution: 240 dpi	<u></u>
Printing	Preferences Print <u>T</u> est Page
	OK Cancel Apply

23. Click on Add Port

🖁 Okida	ta ML 1	84-IBM	Turbo Pro	operties		?
General	Sharing	Ports	Advanced	Device Settir	ngs	
8	Okidata	a ML 184	I-IBM Turbo			-
<u>P</u> rint to checke	the followi d port.	ng port(s	:). Documents	s will print to the	e first free	
Port	De	escription	r l	Printer		^
	PT1: Prir	nter Port		Okidata ML 18	4-IBM Turbo	
	PT2: Prir	nter Port				
	PT3: Prir	nter Port				
	DM1: Ser	ial Port				
Ца	DM2: Ser	ial Port				
	DM3: Sei	ial Port				
	DM4: Sei	ial Port				~
A	.dd Por <u>t</u>		<u>D</u> elete I	Port	Configure Port	
Enat	ole bidirect ole printer	iional sup pooling	oport			
			Close	Can	cel A	pply

24. Select "Standard TCP/IP Port" and click on "New Port...".

Printer Ports	? 🛛
<u>Available port types:</u>	
Local Port Standard TCP/IP Port	
New Port Type	New Port Cancel

25. Click "Next".



26. Input Print Server IP address (from step 8) and Port Name (from step 11), and click "Next".

Add Standard TCP/IP Printer Port Wizard	
Add Port For which device do you want to add a port?	
Enter the Printer Name or IP address, and a port name for the desired device.	
Printer Name or IP Address: 192.168.0.110 Port Name: ps-614cf2-p1	
< Back Next >	Cancel

27. Click "Standard"" and "Generic Network Card", and click "Next".

Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required The device could not be identified.
The detected device is of unknown type. Be sure that: 1. The device is properly configured. 2. The address on the previous page is correct.
Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.
Device Type
< Back Next > Cancel

28. Click "Finish".				
Add Standard TCP/IP Printer Port Wizard				
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.			
	SNMP:	No		
	Protocol:	RAW, Port 9100		
	Device:	192.168.0.254		
	Port Name:	ps-614cf2-p1		
	Adapter Type:	Generic Network Card		
	To complete th	nis wizard, click Finish.		
< <u>B</u> ack Finish Cancel				

29. Back to the Printer Properties, the newly added "Port Name" should be checked, click on "Configure Port".

🂕 Okidata ML 1	84-IBM Turbo Pr	operties	? 🛛
General Sharing	Ports Advanced	Device Settings	
Okidal	a ML 184-IBM Turbo		
Print to the follow checked port.	ving port(s). Document	ts will print to the first free	
Port	Description	Printer	~
СОМ1:	Serial Port		
🗆 сом2:	Serial Port		-
🗆 сомз:	Serial Port		
🗆 сом4:	Serial Port		=
FILE:	Print to File		
🗹 ps-614cf2-	p1 Standard TCP/IF	Port	×
<			>
Add Port		Port <u>C</u> onfigure Po	ort
Enable bidired	stional support pooling		
	Close	e Cancel	Apply

30. Select "LPR" under Protocol and click "OK".

Configure Standard TCF	P/IP Port Monitor	? 🗙
Port Settings		
Port Name:	ps-614cf2-p1	
Printer Name or IP <u>A</u> ddress	192.168.0.254	
Protocol O <u>B</u> aw	(⊙ <u>L</u> PR	
Raw Settings Port <u>N</u> umber:	9100	
LPR Settings Queue Name:	ps-614cf2-p1	
LPR Byte Counting En	nabled	
SNMP Status Enable	d	
Community Name:	public	
SNMP <u>D</u> evice Index:	1	
	ОК	Cancel

31. Back to the Printer Properties, click on "General" tab.

General S	haring Ports A	dvanced Device	e Settings	
3	Okidata ML 184-IB	M Turbo		
<u>P</u> rint to the checked p	e following port(s). [port.	ocuments will prin	nt to the first free	
Port	Description	Printer		^
🗆 сом	1: Serial Port			
🗆 сом	12: Serial Port			
🗆 сом	13: Serial Port			
Ц сом	14: Serial Port			
	: Print to File			
<u></u> ps-6.	Standard TCP.	rimport Ukidata	ML 184-IBM Turbo	~
				_
Add	Por <u>t</u>	Delete Port	<u>Uonfigure Port.</u>	
Enable	hidirectional sunno	rt		
Enable	printer pooling			
	prinkor pooling			

32. Click on "Print Test Page", Windows XP test page should be printed by the printer.

😻 Okidata ML 184-IBM Turbo	o Properties 🛛 🛛 🛛 🛛 🖓 🔀				
General Sharing Ports Advar	nced Device Settings				
Okidata ML 184-IBM	Turbo				
Location:					
<u>C</u> omment:					
Model: Okidata ML 184-IBM	Turbo				
Features					
Color: No	Paper available:				
Double-sided: No	Letter 🔀				
Staple: No					
Speed: Unknown					
Maximum resolution: 240 dpi	<u></u>				
Printing Preferences Print <u>Test Page</u>					
	OK Cancel Apply				

33. This XP Computer can now print to the printer that is connected to the Print Server.