

USB2.0 MFP Print Server

FPS-1010M

User's Manual

Version: 1.0 (February, 2006)

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The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications

Terminal Equipment and Satellite Earth Station Equipment) As of April 8,2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

WEEE regulation



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

Revision

User's Manual for PLANET USB2.0 MFP Print Server Model: FPS-1010M Rev: 1.0 (February, 2006) Part No. EM-FPS1010M

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1. Introduction

Thank you for purchasing and using our MFP print server. This FPS-1010M allows your Multi-function printer (called for short: MFP) or printer to become a shared device on the network. Unlike many print servers, it can communicate with MFP and printer as if it is connected directly to your computer. Because of the features, all users can share print, scan, fax and card reader functions through the network. Furthermore, the FPS-1010M can build the bi-directional communication with MFPs and Printers so that it can help to monitor important information such as ink levels and paper levels.

The FPS-1010M supports print, scan, fax and card reader sharing functions in Windows 2000 SP4 above and XP SP1 above. It also supports Windows XP scanning utility and MFP vendors' scanning utilities. When you want to scan in the Windows XP, you can choose one of the utilities.

Not only be a MFP print server, this FPS-1010M can also be a traditional print server. It supports TCP/IP network protocol and LPR and IPP printing protocols. It can share print function in the various common network operating systems including Windows 98SE/Me/NT/2000/XP/2003, Unix, Linux and MAC OS 9.x above. And it is GDI interface supported. So it can co-work with the GDI printer.

The FPS-1010M is the best solution for users to share MFP or printer conveniently and easily. It offers the most flexibility and manageability for MFP or printer on your Local Area Network at an extremely low cost and with an absolute minimum setup and maintenance required.

2. Product Package

This package contains the following components:

- One FPS-1010M
- One Power Adapter
- One Quick Installation Guide
- One CD-ROM (Including all the software utilities, drivers and User's Manual)

3. MFP Server Installation in Windows 2000/XP

3.1 Hardware Installation

- 1. Unpack the FPS-1010M package and verify the items listed in the previous section are provided.
- 2. Use USB cable to connect FPS-1010M to the MFP or printer that you want to share to your network.
- 3. Use a RJ-45 cable to connect the FPS-1010M to your LAN or WAN.
- 4. Connect the bundled power adapter to FPS-1010M. The MFP Server will perform the Power-On-Self-Test (POST) after power on. Please wait for 20 seconds.

Note:

- 1. Please use the power adapter which bundled with MFP Server. DO NOT use any other power adapter from other sources. That may cause your FPS-1010M damage.
- 2. To prevent the compatibility problem between FPS-1010M and a few MFP or printer, it is recommended that you power on the FPS-1010M before the MFP or printer.

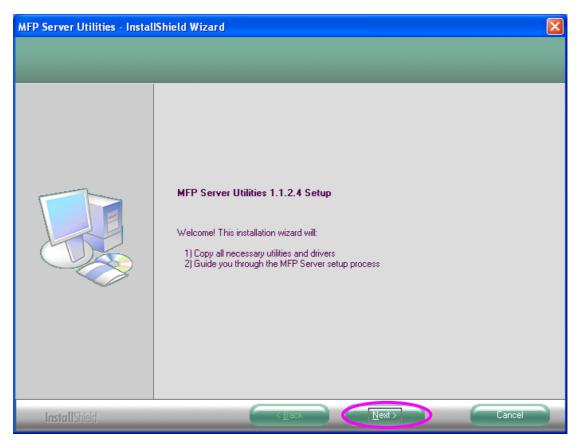
3.2 Software Installation Procedure

Before installation begin, please check your computer's operating system. The operation below is the installation of Windows 2000 SP4 and Windows XP SP1 or above. For the installation procedures in Windows 98SE/Me/NT and other operating systems, please refer to the other sections.

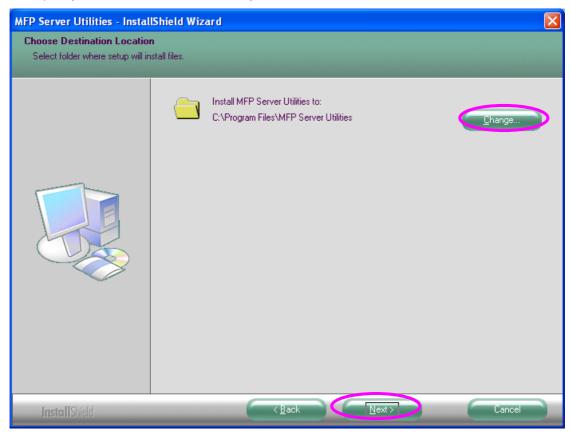
Note:

Some MFP printers will ask the user connect MFP to the PC directly and install the printer driver, before MFP Server installation. That may cause the MFP Server installation adds one more MFP (printer/scanner/fax/card reader) to your PC. You can delete the devices which the MFP driver installed after MFP Server installation, or you can keep those devices exist in your PC.

- 1. Insert User's Manual and utility CD into the CD-ROM drive to initiate the autorun program. Once completed a menu screen will appear.
- Click on "MFP Server Utility" hyper link to initiate the installation. Or you can click the "Start" button and choose "Run". (Suppose "E" is your CD-ROM drive). When the dialog box appears, enter "E:\Utility\Setup.exe" and press enter key. You will see the dialog box as below. Please click "Next" to continue.
- 3. The "MFP Server Utilities InstallShiled Wizard" is displayed, click "Next".



4. Click "Next" to install the MFP Server utilities in the default folder or click "Change" to specify the destination folder where you would like to install the MFP Server utilities.



5. The system starts installing the MFP Server Utilities.

MFP Server Utilities - Instal	Shield Wizard	×
Setup Status		
	MFP Server Utilities Setup is performing the requested operations.	
Install Shield	Cancel	

6. The "MFP Server Configuration" screen is displayed. If you want to configure the MFP Server, please select "Yes, I want to configure the MFP Server now." and click ""Next". Then refer to the following steps to configure your MFP server. Or you can select "No, I will configure the MFP Server later" and click "Next" to complete the installation.

MFP Server Utilities - Install	Shield Wizard	×
Configuration		
	Please choose to start the configuration right now or later.	
	Yes, I want to configure the MFP Server now.	
	No, I will configure the MFP Server later.	
InstallShield	CARCE Cancel	

7. The MFP Server List will auto search the MFP Servers in the network. Select the MFP Server you wan to setup and click "Next" to continue.

MFP Server List		×
Choose MFP Server	If the MFP Server is installed for the first time, the "MFP Server Name" is the last 6 digits of MAC ID of the MFP Server with a "MF" prefix.	
	<u>R</u> efresh	
	< Back Next > Can	cel

8. Enter the "User Name" and "Password" of the MFP Server you have selected to login the MFP Server. The default "User Name" and "Password" is "**admin**". Click "OK".

Cancel

9. Set the "Alias Name" and the "MFP Server Description" to the MFP Server here. Click "Next".

Note:

You can define the location or other information of the MFP Server for easy to find the MFP by filling "MFP Server Description".

Name the MFP Server
Device Name: MFCA19C9
The unique serial number of the MFP Server
Alias Name: MFCA19C9
An alternative name for easy management
MFP Server Description:
Enter 15-digit description of the MFP Server such as location or other information
< <u>B</u> ack <u>Next</u> Cancel

10. You can keep the MFP Server work with the obtain IP address or select "Assign MFP Server IP Address" and enter the IP address to MFP Server directly. Please click "Next".

TCP/IP Configuration
Don't change
You can configure later by the Server Configuration
Tou can conligure later by the Server Conliguration
Assign MFP Server IP Address
MFP Server IP Address
Assigned by User Assigned by Wizard
IP Address: 192 . 168 . 99 . 38
< <u>B</u> ack Next> Cancel

11. The configurations are finished. Please click "Finish" to apply new settings.

Preview Settings Device Name: MFP Server Description: Alias Name: IP Address Assignment: IP Address:	FCA19C9 MFP Server and reset the
	< Back Finish Cancel

12. Click "Finish" to complete the installation.

MFP Server Utilities - Instal	IShield Wizard
	InstallShield Wizard Complete
	The InstallShield Wizard has successfully installed MFP Server Utilities. Click Finish to exit the wizard.
InstallShield	

3.3 MFP Server Utilities

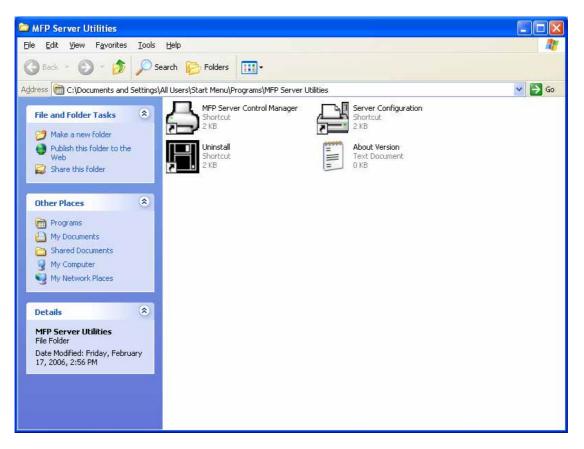
After the installation is completed, there will be three utilities in MFP Server's Program folder.

MFP Server Control Manager – Allows you to manage the connection between the MFP and your computer for sharing MFP function.

Server Configuration – Allows you to configure the MFP Server's IP Address, network protocols and other advanced features. It also allows you to manage the MFP Server.

Uninstall – Assistant for removing all installed MFP Server software programs.

About Version - This file has included the version list of the installed driver and utilities.



3.4 Install the MFP Drivers/Utilities

When the installation is completed, the "MFP Server Control Manager" will pop up. It will automatically find the MFP Servers and the connected MFP and show it in the "MFP Server List". To start installing the MFP Drivers/Utilities, please follow the steps below.

📥 MFP Server Control Manager	
Option <u>H</u> elp	
MFP Server List My Favorite Auto Connect List	
MFP Server List	
Refresh Connect Disconnect Add to My	Eavorite

1. Select the MFP which you want to install in the "MFP Sever List" and click "Install Wizard".

📥 MFP Server Control Manager	
Option <u>H</u> elp	
MFP Server List My Favorite Auto Connect List	
MFP Server List	MFP Information
🖃 🔚 MFCA19C9 (MAC: 00:30:4F:CA:19:C9 IP: 192.168.99.38)	Status: Idle
Port 1: HP Officejet 5600 series	Computer Name:
	Contact Information:
Refresh Connect Disconnect Add to	My Eavorite

- 2. The following message is displayed to warn you that you have to follow the installation instructions in the manual of the MFP. If the MFP is requiring you to connect the MFP to your computer directly, please click "Connect".
- **Note:** Some MFP requires users to install the drivers/utilities before connecting the MFP to your computer, please make sure you have followed the instructions of MFP. When the MFP requires checking if you have connected the USB cable to MFP and your computer, please click "Connect" to create the connection. Please refer to the below

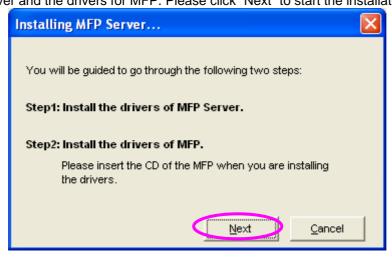
illustration of "HP OfficeJet 5610" as an example.



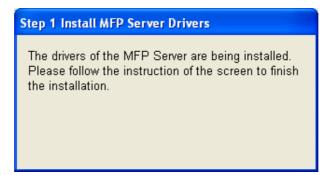
3. If the MFP has required you to plug the USB cable between the MFP and your computer, please click "Yes".

Installing MFP Server
Please make sure you have followed the installation instructions in the MFP manual. If you want to connect the MFP to your computer now, please click ""Yes"".
<u>Y</u> es <u>N</u> o

4. Before creating the connection, you have to install two kinds of drivers: the drivers for MFP Server and the drivers for MFP. Please click "Next" to start the installation.



 When you are installing the MFP Server Drivers, the following message will be displayed to notify you. When the MFP Server drivers are all installed, the message will be disappeared automatically.



 Select "Install the software automatically (Recommended)" to auto install the "MFP Server Enhanced Controller" driver, then click "Next".

Found New Hardware Wizard				
	Welcome to the Found New Hardware Wizard			
No.	This wizard helps you install software for:			
	MFP Server Enhanced Controller			
	If your hardware came with an installation CD or floppy disk, insert it now.			
	What do you want the wizard to do?			
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced) 			
	Click Next to continue.			
	< Back Next > Cancel			

7. The driver will be installed automatically. Click "Finish" to complete this driver installation.

Found New Hardware Wizard				
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: MFP Server Enhanced Controller			
	Click Finish to close the wizard.			
	< Back Finish Cancel			

8. The following message is displayed to remind you that you are now installing the MFP Drivers. When you are sure that the MFP has been connected to MFP Server and the MFP driver CD is insert to your CD-ROM completely, please click "Finish".

Step2 Install the MFP Drivers
The system will prompt you to install drivers for the MFP. The drivers are located in the MFP Driver CD. The drivers are completely installed when the system stops the prompt.
When the drivers for MFP Server and MFP are installed completely, the MFP is now operating in the mode which connects to your computer directly through the USB cable. Please continue to install the MFP.
When you are sure that the MFP has been installed completely. Please click "Finish".
Einish

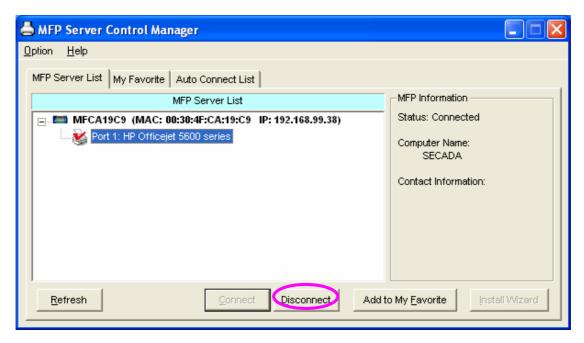
 Windows will start install the MFP. Please refer to your MFP manual and follow the steps to install MFP driver and utility.

4. Using the MFP

After you have followed the install wizard to finish the MFP installation, the MFP is now connected to your computer. You can start sharing print, scan, fax and card reader functions provided on the MFP.

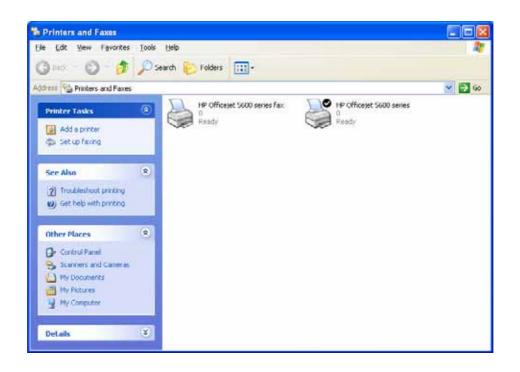
Note:

If you have finished using the MFP, please click "Disconnect" to release the MFP from your PC. When there is a user using or connecting MFP, the other users can't use the MFP until the MFP is released. You may refer to MFP Server manual to setup the disconnect time to make the users auto-disconnect when the MFP is no operation over the time.



4.1 Share Printer and Fax

The MFP will be added to "Printers and Faxes" in the Windows after the MFP is installed. When you have connected to the MFP by clicking "Connect" in the "MFP Server Control Manager", the MFP Server will auto create the connection between the MFP and your computer and then you can print a document just follows the same steps as usual.



4.2 Share Scanner

Most of the MFP provides scan utility for users. You can scan pictures or documents through the utility. In Windows XP, user can also scan from Windows XP scanning utility.

An	example:	HP	5600	Series	Utilities
----	----------	----	------	--------	-----------

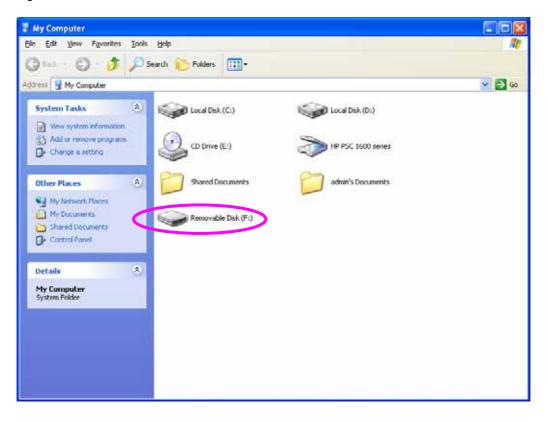


Windows XP Scanning Utility

My Computer		
Ele Edit View Favorites Icols	teb.	17
Q O . 5 P	Search 🌇 Folders 🛄 -	
Address S My Computer		× 🗗 😡
System Tasks	Files Stored on This Computer Files Stored Documents Files Stored Documents	
Other Places	Local Disk (C:)	
Details (*) My Computer System Folder	Scanners and Cameras	
	BisonCam, USE2.0 HP Office jet 5600 series	

4.3 Share Card Reader

If the MFP supports card reader function, you can read the files from the plugged card reader through the MFP Server.



5. MFP Server Control Manager

5.1 MFP Server List

The "MFP Server Control Manager" can automatically find the MFP server in the network and show it in the MFP Server List. Users can select a MFP and click "Connect" to connect the MFP just like you have directly connected the MFP to your computer through USB cable. It also displays the information of the connection status.

📥 MFP Server Control Manager	
<u>O</u> ption <u>H</u> elp	
MFP Server List My Favorite Auto Connect List	
MFP Server List	MFP Information
E MFCA19C9 (MAC: 00:30:4F:CA:19:C9 IP: 192.168.99.38)	Status: Connected Computer Name: SECADA Contact Information:
Refresh Connect Add to	o My Eavorite

MFP Server List	
MFP Server List	The "MFP Server List" will list all the MFP Servers within the
	network. You can find the information of the MFP Servers including
	"MFP Server Name", "MAC ID", "IP Address" and the device that is
	connected to the MFP Server.
MFP Information	When you are clicking on the "MFP Server" in the "MFP Server List",
	you will see the "MFP Server Description" and the "Idle Timeout"
	setting for the MFP Server.
	MFP Server Description – It is a description that can help users to
	identify where or what the MFP Server is.
	When you are clicking on the "MFP" in the "MFP Server List", you
	will see the information including "Status", "Computer Name" and
	"Contact Information".

Status – It displays the status of the MFP including Connected, Idle and Busy. When the status is "Connected", it indicates that you are connecting the MFP. When the status is "Idle", it indicates that the MFP is not being used. When the status is "Busy", it indicates that other user is using the MFP to scan, print, or etc.

Computer Name – It display the computer name of the user who is connecting to the MFP.

Contact Information – When the current user has set his "Contact Information", you can see it here. You can contact with the current user for asking to disconnect the MFP. Refresh the "MFP Server List" immediately.

Refresh	Refresh the "MFP Server List" immediately.
Connect	Let the MFP be connected to your computer.
Disconnect	Disconnect the selected MFP.
Add to My Favorite	Add the MFP Servers that you frequently use to "My Favorite List".
Install Wizard	When you install the MFP at the first time, click "Install Wizard" will
	help you to go through all the installation steps and complete the
	installation.

5.2 My Favorite

You can add the frequently use MFP Servers to "My Favorite" list. The MFP Server in the list will be added to the quick link list when you right click the MFP Server icon in the system tray. Please refer to Section 5.4 to know more about the quick setup functions.

E	📥 MFP Server Control Manager 📃 🗖 🔀						
2	ption <u>H</u> elp						
	MFP Server List	My Favorite	Auto Connect Li	ist			
			My Favorite			MFP Server Information	
		1 718 (MAC: 0 0 t 1: HP Officeje		IP: 192.168.99.36)		MFP Server Description:	
						ldle Timeout: Ne∨er Timeout	
	Refresh		Conne	ect <u>D</u> isconnect	Dele	ete	

My Favorite	
My Favorite List	The "My Favorite List" will list your favorite MFP Servers. You can
	find the information of the MFP Servers including "MFP Server
	Name", "MAC ID", "IP Address" and the device that is connected to
	the MFP Server.
MFP Server/MFP	The information listed here are the same as MFP Server List. Please
Information	refer to Section 5.1.
Refresh	Refresh the "MFP Server List" immediately.
Connect	Let the MFP be connected to your computer.
Disconnect	Disconnect the selected MFP.
Delete	Delete the selected MFP Server from the "My Favorite List".

5.3 Auto Connect List

To let the system occupy the MFP server automatically when you want to print a document just like the behavior of using traditional print server, you can add the MFP into your Auto Connect List. The system will send the printing jobs to the MFP when the MFP Server is idle and not being connected.

Note: If you have sent a printing job to the MFP while the MFP is busy or connected, you may be prompt that the device is not found or not connected. The MFP may queue your printing job in your computer spooler. The MFP Server will then print the job after the MFP is idle or

disconnected.

To add the MFP to the Auto Connect List, please follow the steps below.

1. Click "Add" from the "Auto Connect List".

📥 MFP Server	Control Mai	nager		
<u>O</u> ption <u>H</u> elp				
MFP Server List	My Favorite	Auto Connect List		
		Auto Connect List		
Printer Name	In Computer	MFP Server Name	Mac	Add
				Delete
				Edit

 The MFP Servers within the network will be displayed in the following screen. Select the MFP Server you would like to add to the list.

A	uto Connect Settings				
Г	Select a Printer				
	MFP Server Name	MFP	<u> </u>		
	MFCA1718-P1	HP Officejet 5600 series	Cancel		
			<u>R</u> efresh		
Select a Printer Queue					
	HP Officejet 5600 series				
	✓ Keep connecting for 20 second(s) after printing has been finished(5~60).				

3. Select the MFP that is connected to the selected MFP Server. Click "Ok".

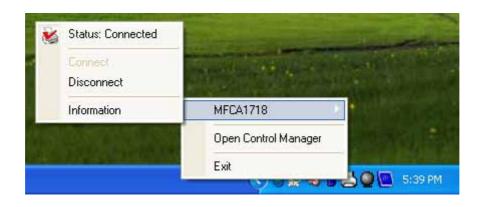
Auto Connect Settings				
Select a Printer				
MFP Server Name	MFP			
MFCA1718-P1	HP Officejet 5600 series	Cancel		
		Refresh		
Oslasta Dátas Ossus				
Select a Printer Queue				
HP Officejet 5600 series				
✓ Keep connecting for 20 second(s) after printing has been finished(5~60).				

4. The setup is finished.

📥 MFP Server Control Manager 📃 🗖 🔀						
<u>O</u> ption <u>H</u> elp	<u>Option H</u> elp					
MFP Server List My Favorite	Auto Connect List					
	Auto Connect List					
Printer Name In Computer	MFP Server Name	Мас		Add		
HP Officejet 5600 series	MFCA1718	00-30-4F-CA-17-18				
				Delete		
				Edit		
				Edit		
<			>			
			-			

5.4 Quick Setup

Right click on the MFP Server icon in the system tray you can see the MFP servers you have designated to "My Favorite List". You can directly connect or disconnect the MFP and check the MFP information from the here easily.



Quick Setup	
Status	The current status of the MFP will be displayed here. "Connected"
	indicates that you are connecting to the MFP. "Busy" indicates the
	MFP is being used. "Idle" indicates that the MFP is free to use by
	any users.
Connect	If the MFP is free to use, the "Connect" will be available to click for
	occupying the MFP. Or it will be grayed.
Disconnect	Disconnect the selected MFP. The "Disconnect" will be available
	only for the user who is using this MFP.
Information	To check more information about the MFP Server and the MFP,
	please click this button. The information will be listed as the
	illustration below.

MFP Server Infomation			
IP Address: 192.168.99.36			
MFP Server Description:			
Idle Timeout: Never Timeout			
Port: 1			
Status: Connected			
Printer Name: HP Officejet 5600 series			
User: SECADA			
Contact Information:			
Close			

Open Control Manager When press this button. The MFP Server Control Manager will be appear.

5.5 Option Settings

5.5.1 General Setting

General Settings 🛛 🔀			
General Settings			
Start Control Manager on Windows startup			
Minimized when start Control Manager			
Refresh status every 5 seconds.(5~300)			
Auto release when idle time is over 5 minutes(5~255).			
Vour Contact Information			
<u>O</u> K <u>C</u> ancel			

General Setting

Start Control Manager on	Execute the "MFP Server Control Manager" when Windows
Windows startup	starts every time. By default, it is enabled.
Minimized when start Control	Minimized the "MFP Server Control Manager" to an icon in the
Manager	system tray when you start the "MFP Server Control

	Manager". By default, it is disabled.
Refresh status every xx	Setup the refresh interval for device status update. By default,
seconds. (5~300)	it is disabled.
Auto release when idle time is	To avoid users occupy the MFP overtime; users can setup idle
over xx seconds. (5-300)	timeout. It is used to disconnect the current connection after
	the MFP is idle for a specified period of time. By default, it is
	never timeout.
	When you are clicking on the "MFP" in the "MFP Server List",
	you will see the information including "Status", "Computer
	Name" and "Contact Information".
Your Contract Information	Enter your contact information here. When you connect to the
	MFP, your contact information will be displayed in the right
	side of the program for other users to contact you.

5.5.2 Installed MFP List

The MFPs that have been installed will be displayed in the list. If you have removed the MFP from your computer, please delete the MFP from the list. The "MFP Server Control Manger" will guide you to install the MFP when you want to install the same MFP next time.

Installed MFP List	
HP Officejet 5600 series	<u>D</u> elete <u>C</u> lose

5.5.3 Search for MFP Server

If there is an MFP Server is not in the network as your computer, you can enter the IP Address of the MFP Server to do the remote search. The MFP Server in the "Remote MFP Server List" will be added to the "MFP Server List" for you to configure.

Note: If the remote MFP Server you have searched is behind NAT Router, the MFP Server may not operate normally.

.ist		
.151		
· · ·		
Mac Address	R	Add
		Delete
	>	Close
	Mac Address	Mac Address N

6. Server Configuration

6.1 Introduction

This chapter introduces MFP Server's system configuration utility in Windows environment. This utility provides the most complete management and configuration functions on the MFP Server side. This utility only provides configuration functions for MFP Server itself; it does not include configuration functions for client side or other file server in the network environment.

The Configuration Utility provides the following configuration and management functions:

- Status: Display MFP Server Network Status.
 - Setup: Configure the MFP Server detail settings.
 - General Configuration: Configure general settings about the MFP Server such as Server Name, Password, etc.
 - **TCP/IP Configuration:** IP Address and DHCP Server Configuration.
 - System Configuration: MFP Server Network Ability Setting and Firmware Upgrade.
 - MFP Server Management: For administrator to manage the MFP Server. Administrator can force disconnect the current connection and setup idle time out of the MFP Server.
- Report: List the some information of all available MFP Servers on the Network.
- **Refresh:** Refresh the MFP Server's status by pressing the "Refresh" button.
- **Reboot:** Restart the MFP Server by pressing the "Reboot" button.
 - Search MFP Server: Search all available MFP Servers on the Network.

6.2 Status

Server Manager 1.0.7 Eile Help	v 🕄	
FCA1718		 MAC ID : 00:30:4F:CA:17:18 Model Type : 1P/8E Version : 3.6.25A Server Port MFP Server TCP/IP System
	Date Time	Message
	2/21/2006 2:14:14 PM	Welcome !
	2/21/2006 2:14:15 PM	Searching Please Wait !
	2/21/2006 2:14:19 PM	1 server found!

Click "Status" icon on the tool bar, the status of the currently selected MFP Server will be showed on the right side of the window. The information of the MFP Server displayed are including MAC ID, Model Type, Firmware Version, status of each server port, IP address, subnet mask, default gateway and supported printing protocols...etc.

6.3 Setup

Server Manager 1.0.7 Eile Help	2		
FCA1718	MFCA1718 M	General TCP/IP	System
	Date Time	Message	
	2/21/2006 2:14:14 PM	Welcome !	
	2/21/2006 2:14:15 PM	Searching Please Wait	
	2/21/2006 2:14:19 PM	1 server found !	Þ

Click "Setup" icon icon on the tool bar, the setup items of the current selected MFP Server will be showed on the right side of the window.

Double click one of the icons to set up the selected MFP Server. A screen will pop up to verify "User Name" and "Password" of the MFP Server. The default values are: **User Name: admin, Password: admin**.

<u>Note:</u> When you have finished the settings, please click "" to restart the MFP Server to let the settings take effect.

6.3.1 General Configuration

General - MFCA1	1718	×		
General				
General Settings	Device Info MAC ID : 00:30:4F:CA:17:18 Type : 1P/8E Version : 3.6.25A Port No : 1	_		
	Server Name : MFCA1718	_		
Set User Name/Password User Name : Password : Retype Password :				
	Save Cance	*		

Double Click "General" icon and the General configuration window will pop-up. You can see basic MFP Server information in this page. You also can configure the "Server Name", "User Name" and "Password" here.

Server Name, the name of the MFP Server. You can use this name to identify the MFP Server when you are searching for the MFP Server by the "Server Manger" utility.

User Name / Password is used to authenticate the administrator to login the MFP Server for configuring it from the "Server Manger" utility or the Web Management tool.

6.3.2 TCP/IP Configuration

TCP/IP - MFCA1718						
		TCP/IP				
TCP/IP Settings						
	C Auto IP	 Static II 	5			
	IP Address :	192	168	0	1	
	Subnet Mask :	255	255	255	0	
	Gateway :	0	0	0	0	
	<u> </u>					
				Save		Cancel

Double Click "TCP/IP" icon and the TCP/IP configuration window will pop-up.

You can configure the MFP Server to automatically get IP from DHCP server or manually specify static IP.

When there is a DHCP Server in your network, you may select 'Auto IP" of this dialog box to let your MFP Server to obtain an IP address automatically. Or select the "Static IP" to enter the "IP Address", "Subnet Mask" and "Gateway" for this MFP Server.

6.3.3 System Configuration

System - MFCA1719			×
	System		
System Settings			
	Enable LPR Printing Enable TCP RAW Printing Enable IPP Printing		
Update :		Upgrade	
		Save	

Double Click "System" icon and the System configuration window will pop-up.

In the System configuration page, you can see all available printing methods, firmware upgrade and load factory default function.

Upgrade Firmware: You can use this "Upgrade Firmware" tool to update the newest firmware of the MFP Server. Click " " " button and locate the correct firmware in your PC. After find out the firmware, please click the "Upgrade" button to update firmware.

<u>Note:</u> Before you upgrade the firmware, please make sure that the IP Address settings of the MFP Server are in the same network as your computer.

Load Default: If you want to reset the MFP Server to factory default settings, please click "Load Default". After load default, please press " " " " to reboot your MFP Server to make the new configuration effect.

6.3.4 MFP Server Management

MFP Server Management - MFCA1718					×	
MFP Server Management						
Force Release	C Port 2	C Port 3		Force Release		
Settings MFP Server D	escription :					
			Save	Cancel		

Double Click "MFP Server Management" icon and the MFP Server configuration window will pop-up. You are able to manage the MFP Server as below.

Force Release: Select the port number and then click "Force Release" will help to you disconnect the current connection between the user and the connected device. It is very useful when a user forgets to disconnect the MFP, administrator can force to disconnect the connection and let the MFP be free to use.

MFP Server Description: Enter 15 digits description of the MFP Server such as location or other information to help user to find the MFP Server easily.

Note: After all users have installed the MFP successfully. It is recommended that enable the "Auto Release when idle timeout" setting in "MFP Server Control Manager" => "Option", so that the MFP resource will not be occupied easily by only one user.

6.4 Report

Device Name	MACID	Model Type	Version	Sta
MFCA1718	00:30:4F:CA:17:18	1P/8E	3.6.25A	
<				

Click "Report" icon on the tool bar, the Report window will pop up.

The report lists basic information of all available MFP Servers on the network. The information includes Device Name, MAC ID, Model Type and Firmware Version of MFP Server.

7. Web Management

7.1 Introduction

MFP Server can be configured and managed by Web Browser. Through Local Area Network, or even Internet, administrator can easily configure and manage MFP Server's various main functions in browsers. Simply enter MFP Server's IP address into your browser's address field to manage a MFP Server by MFP Server's built-in Web Server.

The default IP Address, User Name and Password settings of the MFP Server are as follows.

IP Address: 192.168.0.1 User Name: admin Password: admin

7.2 Login

You may use any Web Browser to review the status or configure the settings of the MFP Server. After entering the IP address of the MFP Server, a login dialog box will display. You have to enter correct "User Name" and "Password" before going to the Web Management pages.

Connect to 19	2.168.0.1
R	
Default password	
<u>P</u> assword:	admin 💌
	Remember my password
	OK Cancel

7.3 Device Setup

7.3.1 System

System Information Device Name : MFCA1718 Raw Printing : Enable MFP Server Name : MFCA1718 IPP Printing : Enable Model Type : LPR Printing : Enable Firmware Version : 3.6.25 MAC Address : 00:30.4F CA 17.18 USB Port Number : 1	System Information TEM Device Name : MFCA1718 Raw Printing : Enable MFP Server Name : MFCA1718 IPP Printing : Enable Model Type : LPR Printing : Enable AP Firmware Version : 3.6.25 MAC Address : 00.30.4F CA 17.18	Device Setup	Setup Wizard System Tool			
Device Name : MFCA1718 Raw Printing : Enable MFP Server Name : MFCA1718 IPP Printing : Enable Model Type : LPR Printing : Enable Firmware Version : 3.6.25 Enable MAC Address : 00.30.4F CA 17.18 USB Port Number : 1	TEM Device Name : MFCA1718 Raw Printing : Enable Image: MFP Server Name : MFCA1718 IPP Printing : Enable Model Type : LPR Printing : Enable MP Firmware Version : 3.6.25 MAC Address : 00.30.4F CA.17.18 USB Port Number : 1	STATUS	This page displays the c	urrent system settir	igs of the MPP server.	
MFP Server Name : MFCA1718 IPP Printing : Enable Model Type : LPR Printing : Enable Firmware Version : 3.6.25 MAC Address : 00:30.4F CA 17.18 USB Port Number : 1	MFP Server Name : MFCA1718 IPP Printing : Enable Model Type : LPR Printing : Enable Firmware Version : 3.6.25 MAC Address : 00.30.4F CA 17.18 USB Port Number : 1		System Information			
Model Type : LPR Printing : Enable Firmware Version : 3.6.25 MAC Address : 00.30.4F CA 17.18 USB Port Number : 1 1	AP Model Type : LPR Printing : Enable AP Firmware Version : 3.6.25 MAC Address : 00.30.4F CA.17.18 USB Port Number : 1	SYSTEM	Device Name :	MFCA1718	Raw Printing :	Enable
Firmware Version : 3.6.25 MAC Address : 00:30.4F CA 17.18 USB Port Number : 1	Model Type : LPR Printing : Enable P Firmware Version : 3.6.25 MAC Address : 00.30.4F CA 17.18 USB Port Number : 1	Printer	MFP Server Name :	MFCA1718	IPP Printing :	Enable
MAC Address : 00/30/4F CA 17/18 USB Port Number : 1	MAC Address : 00:30:4F CA 17:18 USB Port Number : 1	- Andrew	Model Type :		LPR Printing :	Enable
USB Port Number : 1	USB Port Number : 1	тсрлр	Firmware Version :	3.6.25		
I see a second s Second second s Second second s Second second s Second second se			MAC Address :	00:30:4F CA 17	18	
	LPT Port Number : No		USB Port Number :	1		
LPI Port Number : No			LPT Port Number :	No		
LP I Port Number : No				1 No		

System Information includes "Device Name", "MFP Server Name", "Model Type", "Firmware Version", "MAC Address" and the protocols enabled status, etc.

7.3.2 Printer

OPL	NET USB 2.0 MFP Print Server
Device Setup STATUS SYSTEM SYSTEM Printer TCP/IP	Setup Wizerd System Tools This page displays the information of each printer connected to the MFP server. Note: if your printer does not support bi-directional function, some information will not be displayed correctly. Printer 1 Manufacturer : HP Model Number : Officejet 5800 series Printing Language Supported : LDL_MLC.PML_DYN Current Status : Ready

This page will show the information of MFP or printer that connected to the MFP Server port.



This page lists all TCP/IP settings of the MFP Server including "IP Address", "Subnet Mask" and "Gateway". It also can tell the DHCP server is "On" or "Off".

7.4 Setup Wizard

	NET USB 2.0 MFP Print Server
evice Setup E SETUP FYSTEM CP/IP	International System Tools Click "Save and Next" to continue. System Settings MFP server Name : Password : Re-type Password :

7.4.1 System

You can change the MFP Server name and password of the MFP Server from here.

MFP Server Name, the name of the MFP Server. You can use this name to identify the MFP Server when you are searching for the MFP Server by the "Server Manager" utilities.

Password, enter the password you want to change to the MFP Server. The password can be up to 7-digit alphanumeric format. The default password is "admin".

Re-type Password, enter the same password for the MFP Server again.

7.4.1.1 Advanced Settings

	NET USB 2.0 MFP Print Server
SYSTEM	atup Wizard System Tools This page allows you to configure Advance settings for the MFP server, Click "Save and Next" to continue, System Configure TCP/IP Printing(LPR/IPP/RAW) : Emethe
TCP/IP Save Settings	Save & Next

Some advanced feature of the MFP Server can be set here.

TCP/IP Printing: This MFP Server supports TCP/IP network protocol and LPR/IPP printing protocols. By default these protocols are enabled.

OPLE	INET USI	B 2.0 MFP Print Server
The way and a local of	Sutup Wizerd System Tools This Menu allows you to configure TC	P/IP settings for the MFP server.
SETUP TCP/IP	Click "Save and Next" to continue.	
SYSTEM	TCP/IP Settings	
ТСРЛР	 Disable Use the following 	ttings automatically (use DHCP/BOOTP) g TCP/IP settings
Save Settings	IP Address : Subnet Mask :	
	Gateway :	0.0.0.0
		Spvc & Next

You can configure the MFP Server to automatically get IP from DHCP server or manually specify static IP. The MFP Server also has a built-in DHCP server. You can enable this DHCP server and let it manages IP for you.

If you need the MFP Server to automatically get an IP from DHCP server, select "Enable Obtain TCP/IP Settings Automatically (Use DHCP/ BOOTP)". You also can select "Disable Use the following TCP/IP Settings" to manually assign "IP Address", "Subnet Mask" and "Gateway" for the MFP Server.

7.4.3 Save Settings

OPLA	NET USB 2.0 MFP Print Server
Device Setup 5	atup Wizard Bystem Tools
SETUP TCP/IP	This Menu allows you to configure TCP/IP settings for the MFP server.
1. Nove 32	Click "Save and Next" to continue. TCP/IP Settings
SYSTEM	Disable Microsoft Internet Explorer Image: Second Se
ТСРЛР Save Settings	Olisabl Would you like to save settings and reboot? CK Cancel

When you select Save Settings, you will see the dialog box for asking you to make sure you want to save the settings and reboot. Please click "Yes" to save the configuration and reboot.

7.5 System Tools

7.5.1 Load Default

OPLA	NET USB 2.0 MFP Print Server
Device Setup 8 SYSTEM Lond Default	etop wizard System tools This menu allows you to restore the factory default settings.
Load Default Upgrade from Browser	Load Factory Defaults
	Are you sure you want to load factory defaults ?

You can use this page to restore the MFP Server to factory default settings. Please click "OK" to load the default settings.

7.5.2 Upgrade Firmware from Browser

OPL	ANET USB 2.0 MFP Print Server
Device Setup SYSTEM Upgrade	Setup Wizerd System Tools This Menu allows you to upgrade the firmware of the MFP server. Note: please make sure the firmware is correct before you proceed. If you do not know which
Load Default Upgrade from Browser	firmware file you should use, please contact your local dealer for technical support. Firmware Upgrade Select a File :Browse

You can upgrade new firmware to the MFP Server in this page. Click "Browse" to locate the new firmware in your HDD and then click "OK" to start the upgrade procedure, the firmware will be updated in several minutes.

Be aware that if you have started upgrading firmware, please DO NOT turn the MFP Server off. That will make the MFP Server damage due to the firmware doesn't upload complete.

8. LPR Printing

LPR Printing (Line Printer Remote technology) allows users to connect to MFPs or printers via TCP/IP for printing sharing. The computer with Windows 98SE/Me/NT/2000/XP/2003 operating system can use the protocol to share printing in the network. MFP Server can support LPR printing by default.

If you install the MFP Server in Windows 98SE/Me/NT, the MFP Server provides a tool "Network Port Setup" that help to add the LPR protocol to users' computer easily. Please refer to Chapter 10.

To configure the LPR setting in Windows 2000/XP/2003, please follow the steps below.

- 1. Click "Start", choose "Settings" and select "Printers and Faxes".
- 2. Click "Add a Printer".
- 3. The "Add Printer Wizard" is displayed. Click "Next".



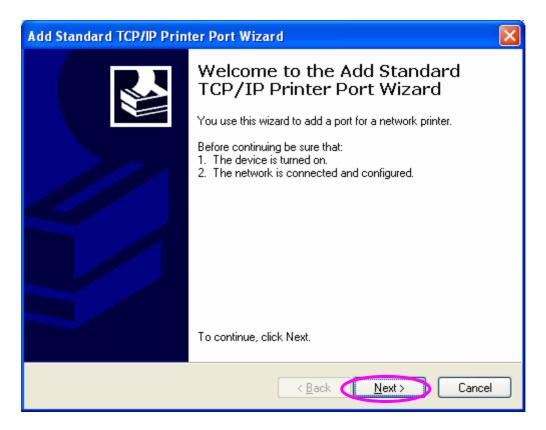
4. Select "Local Printer attached to this computer" and click "Next".

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: Local printer attached to this computer Automatically detect and install my Plug and Play printer 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.
< <u>B</u> ack <u>N</u> ext > Cancel

5. Choose "Create a new port" and "Standard TCP/IP Port". 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, y new port.	iou can create a		
OUse the following port: LPT1: (Recommended Printer Port)	~		
Note: Most computers use the LPT1: port to communicate with a The connector for this port should look something like this:	local printer.		
<u>Create a new port:</u> Type of port: <u>Standard TCP/IP Port</u>	v		
< Back	xt > Cancel		

6. Please make sure that the MFP Server and the MFP or Printer have turned on and connected to the network correctly before you continue. Click "Next".



7. Enter the IP Address of the MFP Server in the "Printer Name or IP Address". 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: 192.168.99.38]
Port Name: IP_192.168.99.38]
< <u>B</u> ack <u>N</u> ext >	Cancel

 Select "Custom" and click "Settings". When you have finished the settings at step 9, click "Next" to continue.

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 Standard Generic Network Card Custom Settings
< Back (Next > Cancel

9. Select "LPR" and enter "lpt1" in the "Queue Name", click "OK". By default the queue name of the MFP Server is "lpt1".

Configure Standard TCP/IP Port Monitor			
Port Settings			
<u>P</u> ort Name:		IP_192.168.99.38	
Printer Name or IP <u>A</u> ddres	s:	192.168.99.38	
Protocol O <u>B</u> aw		<u> LPR</u>	
Raw Settings			
Port <u>N</u> umber:	9100		
LPR Settings			\equiv
Queue Name:	lpt1	>	
LPR Byte Counting E	nabled		
SNMP Status Enable	ed —		
Community Name:	public		
SNMP <u>D</u> evice Index:	1		
	L		
		ОК	Cancel

10. Click "Finish".

Add Standard TCP/IP Prin	ter Port Wiza	ard	X
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.		
	SNMP: Protocol: Device: Port Name: Adapter Type:	Yes LPR, lpt1 192.168.99.38 IP_192.168.99.38	
	To complete t	nis wizard, click Finish.	
		< Back Finish Cancel	

11. Select a suitable printer manufacturer and the printer model and click "Next". If your printer is not in the list, click "Have Disk..." to install the driver of the printer. After installation, the printer model will be added to the list.

Add Printer Wizard
Install Printer Software The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer A Printers
Citizen 🔤 🖼 HP LaserJet 1100 (MS)
C-Itoh ColorAge HP LaserJet 1200 Series PCL
Compag Compag Dataproducts
Dataproducts
This driver is digitally signed. Windows Update Image: Tell me why driver signing is important
< <u>B</u> ack <u>N</u> ext > Cancel

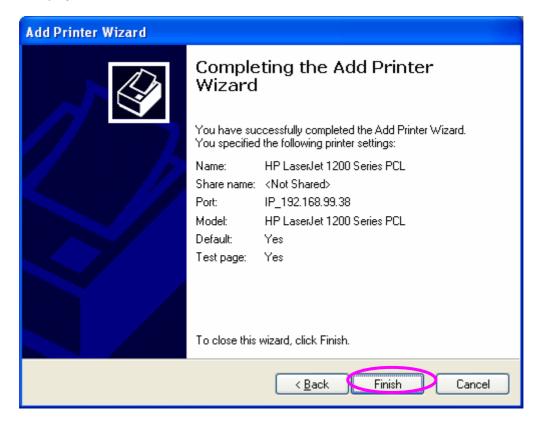
12. Choose to set the print whether as a default printer or not. Click "Next".

Add Printer Wizard
Printer Sharing You can share this printer with other network users.
If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users.
Do not share this printer
◯ <u>S</u> hare name:
< <u>B</u> ack <u>N</u> ext > Cancel

13. Please select the test page will printed after the configuration or not. Please 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? ● Yes ● Ng
< <u>B</u> ack <u>Next</u> Cancel

14. You have added the network printer to the PC successfully. The information of the printer is displayed in the windows. Click "Finish".



9. IPP Printing

9.1 Introduction

IPP (Internet Printing Protocol) Printing provides a convenient way of remote printing service by TCP/IP. When the MFP Server is work with a legal IP address, it can support IPP printing in Windows 2000/XP/2003 by default. By using the IPP printing, you can share the printer to all the PC's that can access the MFP Server by IP. You can even share your MFP or printer to Internet users.

9.2 System Setup

9.2.1 MFP Server Side

It is needless to do any setting on the MFP Server side. Make sure the MFP Server has correct IP settings. If you want to share the printers to Internet users, you have to set a real IP to the MFP Server. You also have to make sure that any gateway, router or firewall does not block IPP protocol if you have these gateway devices installed in your network.

9.2.2 Client Side

You only need to perform Window's standard Add New Printer procedure.

- 1. Click "Start", choose "Settings" and select "Printers and Faxes".
- 2. Click "Add a Printer".
- 3. The "Add Printer Wizard" is displayed. Click "Next".



4. Select "A network printer, or a printer attached to another computer". 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: Local printer attached to this computer Automatically detect and install my Plug and Play printer Automatically detect and install my Plug and Play printer 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		

5. Select "Connect to a printer on the Internet or on a home or office network" and enter the URL of MFP Server. The URL format is "http://IP:631/Port Name". The IP should be the MFP Server's IP. The number 631 is IPP standard port number. Port Name is the port name of MFP Server that your printer is connected to. The default port name is "lpt1". One example of the URL is http://192.168.99.38:631/lpt1. After entering the URL of MFP

Server, click "Next".

Add Printer Wizard
Specify a Printer If you don't know the name or address of the printer, you can search for a printer that meets your needs.
What printer do you want to connect to? Browse for a printer Connect to this printer (or to browse for a printer, select this option and click Next): Name: Example: \\server\printer Connect to a printer on the Internet or on a nome or office network:
URL: http://192.168.99.38:631/lpt1 Example: http://server/printers/myprinter/.printer
< <u>Back</u> <u>Next</u> Cancel

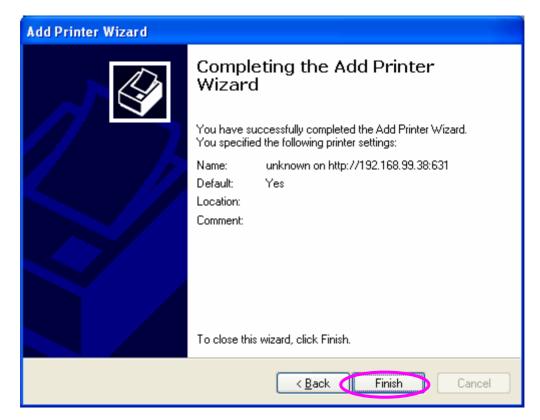
6. Select a suitable printer manufacturer and the printer model and click "Next". If your printer is not in the list, click "Have Disk..." to install the driver of the printer. After installation, the printer model will be added to the list.

Add Printer Wizard	? 🛛			
an installation disk, clic 🧊	er and model of your printer. If your printer came with ck Have Disk. If your printer is not listed, consult your for a compatible printer.			
Manufacturer Fujitsu GCC Generic Gestetner HP IBM	Printers Image: Printers			
This driver is digitally signed. <u>Tell me why driver signing is important</u> OK Cancel				

7. Choose to set the print whether as a default printer or not. Click "Next".



8. You have added the network printer to the PC successfully. The information of the printer is displayed in the windows. Click "Finish".



10. MFP Server Installation in Windows 98SE/Me/NT

This MFP Server supports TCP/IP network protocol and IPP and LPR printing protocols, it can be a print server when you operate it in Windows 98SE/Me/NT/2000/XP/2003, Unix/Linux and MAC OS. The IPP printing protocol can be used in Windows 2000/XP/2003. The LPR printing protocol can be used in Windows 98SE/Me/NT/2000/XP/2003, Unix/Linux and MAC OS. For the LPR and IPP settings in Windows 2000/XP/2003, please refer to Chapter 8 and 9.

This chapter will introduce you how to install the MFP Server to be print server in Windows 98SE/Me/NT.

Before you start, you should have:

- One computer with Windows 98SE/Me/NT
- The TCP/IP network protocol has been installed in the PC

10.1 Software Installation Procedure

The following are the installation steps in Windows 98SE. To install MFP Server in Windows Me/NT, the procedures are similar.

- 1. Insert User's Manual and utility CD into the CD-ROM drive to initiate the autorun program. Once completed a menu screen will appear.
- Click on "MFP Server Utility" hyper link to initiate the installation. Or you can click the "Start" button and choose "Run". (Suppose "E" is your CD-ROM drive). When the dialog box appears, enter "E:\Utility\Setup.exe" and press enter key. You will see the dialog box as below. Please click "Next" to continue.
- The message is prompted to remind you that the MFP Server will only support print sharing function since the operation system of your computer is Windows 98SE/Me/NT. Click "Ok".



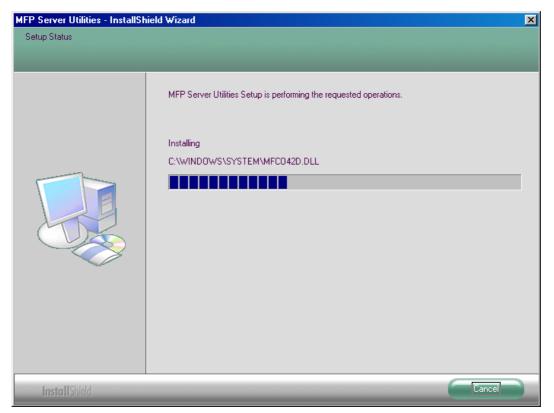
4. The "MFP Server Utilities - InstallShield Wizard " will be displayed. Click "Next".

MFP Server Utilities - InstallSh	ield Wizard
	Print Server Utilities 1.1.1.7 Setup Welcome! This installation wizard will: 1) Copy all necessary utilities and drivers 2) Guide you through the MFP Server setup process
InstallShield	

5. Click "Next" to install the MFP Server utilities in the default folder or click "Change" to specify the destination folder where you would like to install the MFP Server utilities.

MFP Server Utilities - InstallSh		×
Choose Destination Location Select folder where setup will in		
Select folder where setup will in	Install MFP Server Utilities to: C:\Program Files\MFP Server Utilities	<u>C</u> hange
Install Shield		Cancel

6. The MFP Server Utilities are being installed.



7. The "Configuration" screen is displayed. If you want to configure the MFP Server, please click ""Next" directly. Or you can select "No, I will configure the MFP Server later" and click "Next" to complete the installation.

The following steps are for the MFP Server Configuration.

MFP Server Utilities - InstallSh	ield Wizard	×
Configuration		
	Please choose to start the configuration right now or later.	
InstallShield	< <u>B</u> ack Next > Cancel	

8. The MFP Server List will auto search the MFP Servers in the network. Select the MFP Server you wan to setup and click "Next" to continue.

MFP Server List	×
Choose MFP server	
IMFCA1719	If the MFP Server is installed for the first time, the "MFP Server Name" is the last 6 digit of MAC ID of the MFP Server with a "MF" prefix
	Refresh
	< Back Next > Cancel

9. Set the "Alias Name" and the MFP Server here. Click on "Next".

Name the MFP Se	rver	×
Device name :	MFCA171C The unique serial number ot the MFP server	
Alias Name :	MFCA1719 An alternative name for easy management	
	< Back Next > Cancel	

10. Setup the IP address of the MFP Server and click "Next".

Network Protocol and IP Address Configuration	×
_ TCP/IP	_
C Assign the MFP Server an IP address	
IP Address 192.168.2.2	
,	
Don't change	
Configure the IP Address later.	
< Back (Next >)	Cancel

11. The settings are finished click "Finish" to apply new settings.

Device Name : PSCA13	1C Click "Finish", the program
Alias Name : MFCA1	19 will add the Nerwork Port
TCP/IP suppot : Enable	of the MFP Server to your
IP Address Assignment : Manual	PC automatically.
IP Address : 192.168	2.2

12. Click "Finish" to complete the installation.

MFP Server Utilities - InstallSH	
	InstallShield Wizard Complete
	The InstallShield Wizard has successfully installed MFP Server Utilities. Click Finish to exit the wizard.
InstallShield	Cancel

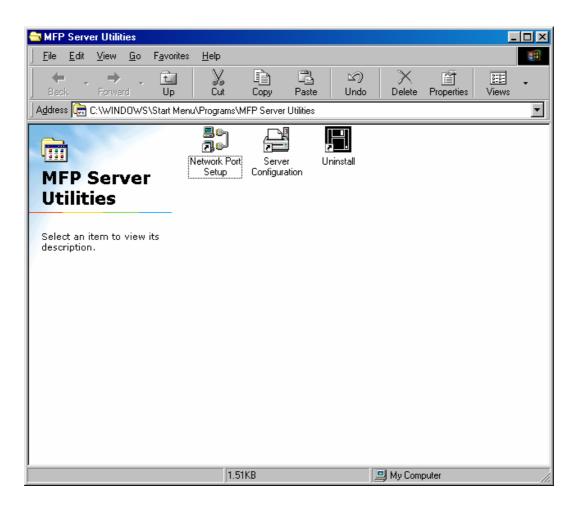
10.2 Server Utilities

After the installation is completed, there will be three utilities in MFP Server's Program folder.

Network Port Setup - Add the network ports of MFP Server within the network to your PC.

Server Configuration – Allows you to configure IP Address, network protocols and other advanced functions. Please refer to Chapter 6 for the detail instruction of the configuration.

Uninstall – Assistant for removing all installed software.



10.3 Network Port Setup

"Network Port Setup" Utility offers a very simple method to add or remove MFP Server's printer port from the client's computer.

During the MFP Server's installation procedure, the system will automatically search for all

MFP Servers on the network, and add the printer port of the MFP Server you have selected to user's computer (see below).

If you have just installed another new MFP Server in the network, you must run this program first. This program will search for new MFP Servers and allow you to add the new network printer port into your computer conveniently. Perform the standard Add Printer procedure, then you can print directly to the printer through the newly installed MFP Server.

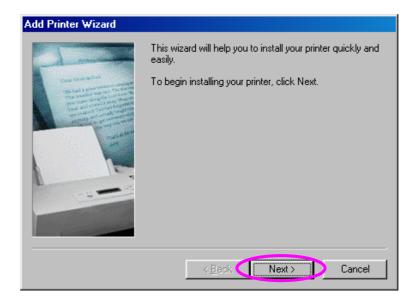
Note: Please be aware that Network Port Setup Utility can only detect and configure all MFP Servers within the same network; it cannot search and configure the MFP Servers on other subnets across network segments.

Network Ports Quick Set	up 3.1.6		×
Available Ports		Chosen Ports	
	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	MFCA1719-P1	Cancel
Refresh		Queue]

10.4 Add Printer

After adding a "Network Port" of the MFP Server to your computer, you can follow the procedure described below to add printer to the Windows. Note that following "Add Printer" steps are running in Windows 98SE, the steps in other Operating Systems are similar.

- 1. Click "Start", choose "Settings" and select "Printers".
- 2. Click "Add Printer".
- 3. The "Add Printer Wizard" is displayed. Click "Next".



4. Select "Local printer" and click "Next".

Add Printer Wizard	
	How is this printer attached to your computer? If it is directly attached to your computer, click Local Printer. If it is attached to another computer, click Network Printer Local printer Network printer
	< Back Next > Cancel

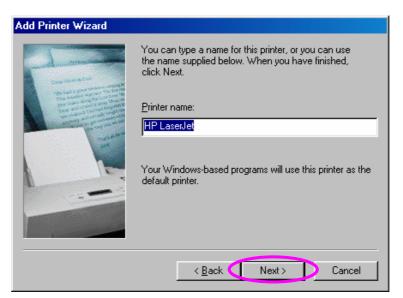
5. Select a suitable printer manufacturer and the printer model and click "Next". If your printer is not in the list, click "Have Disk..." to install the driver of the printer. After installation, the printer model will be added to the list.

Add Prin	inter Wizard	
٩		f your printer. If your printer came with an your printer is not listed, consult your printer ter.
Manufac Generic Gestetr Hermes IBM Kodak Kuncer	ther HP LaserJe es HP LaserJe HP LaserJe HP LaserJe K HP LaserJe	et IIP Plus et IIP PS Cartridge et Plus et Plus et 2000
	< <u>B</u>	ack Next > Cancel

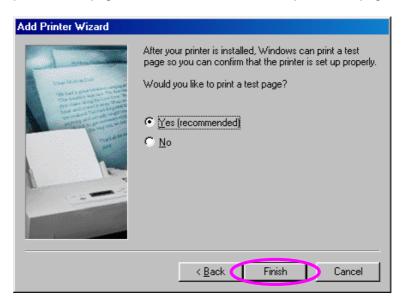
6. Choose the suitable "Print Server Network Port" and click "Next".

Add Printer Wizard	
	Click the port you want to use with this printer, and then click Next.
	Available ports: Available ports: COM1: Communications Port COM4: Infrared Serial (COM) Port FILE: Creates a file on disk LPT1: Printer Port LPT3: Infrared Printing (LPT) Port MFCA1719-P1 PrintServer Network Port
	< Back Next > Cancel

7. Please enter the new name for the printer or click "Next" to keep the default printer name.



8. Choose to print the test page or not. It is recommended to print a test page. Click "Finish".



9. The drivers of the printer will be installed. After complete the installation, the printer has been added to your computer.

Ele Edit View Go Favorites Help Image: Comparent of the second of th	🝺 Printers								
Back Forward Up Cut Copy Paste Undo Delete Properties Views Address Image: Printers	<u> </u>	it <u>V</u> iew <u>G</u> i	o F <u>a</u> vorite:	: <u>H</u> elp					-
Add Printer Add Printer Add Printer The Add Printer wizard walks you step-by-step through installing a printer. Just follow the instructions on each									•
Add Printer HP LaserJet Add Printer Add Printer The Add Printer wizard walks you step-by-step through installing a printer. Just follow the instructions on each	Address <table-cell></table-cell>	Printers							-
Add Printer The Add Printer wizard walks you step-by-step through installing a printer. Just follow the instructions on each				Add Printer	Ĩ	J			
The Add Printer wizard walks you step-by-step through installing a printer. Just follow the instructions on each	Prin	ters							
walks you step-by-step through installing a printer. Just follow the instructions on each	Add Pri	nter							
	walks yo through printer instructio	u step-by-si installing a Just follow th	tep						

11. UNIX System Network

11.1 Introduction

The MFP Server is available for TCP/IP printing by Unix LPD (Line Printer Daemon) protocol. The LPD protocol originated with Unix release is based on the BSD version of Unix and supported under most versions of Unix.

This chapter explains how to configure the MFP Server for TCP/IP operation, and how to modify configuration files on your Unix system to allow printing to the MFP Server. The configuration examples in this manual follow the syntax for BSD based Unix systems. Please refer to the related system documentation for the correct syntax of your systems.

To configure the MFP Server for LPD printing, perform the procedures below:

- 1. Enable MFP Server's TCP/IP Support.
- 2. Set up MFP Server's IP address.
- 3. Verify MFP Server's IP Address.
- 4. Configure remote LPD printing on the host.
- 5. Print a test page.

In the next sections, we will describe these five procedures step by step.

11.2 Enable MFP Server's TCP/IP Support

The default configuration of the MFP Server is with TCP/IP support enabled. Anyway, you can configure the MFP Server to enable TCP/IP support using the configuration program.

11.3 Setup MFP Server's IP Address

The MFP Server must have a unique IP address in order to be recognized by the network.

You can set up the IP address on the various Unix systems using any one of the following methods:

- 1. DHCP (Dynamic Host Configuration Protocol)
- 2. BOOTP (Bootstrap Protocol)

The MFP Server will use the last two methods to obtain its IP address automatically if its IP address is configured as Auto (0.0.0.0).

11.3.1 DHCP

There are many Unix systems that support DHCP protocol, and the procedures to configure the DHCP server database are different. Please refer to the manual of Unix for the way to use different DHCP Server. It is highly recommended that the DHCP server should be located on the same network as the MFP Server.

11.3.2 BOOTP

If you have the BOOTP daemon, bootpd, running on your UNIX system that is accessible by the MFP Server, you can use the BOOTP protocol to set up the IP address of the MFP Server. We recommend that the BOOTP server should be located on the same subnet as the MFP Server. If you use Network Information Services (NIS) in your system, you may need to rebuild the NIS map with the BOOTP services before doing the following BOOTP configuration. To rebuild the NIS map, please refer to your system documentation.

To configure the IP address data for the BOOTP server, you will need to log in the host of BOOTP server as the superuser (root). Perform the following steps to add address entries,

1. Optionally, assign a name corresponding to the MFP Server's IP address. You can add this address to the /etc/hosts file, by adding a line such as:

203.66.191.12 pserver

2. Add an entry to the host's /etc/bootptab file, similar to the following:

hostname:\

:ht=1:\ :ha=MFP_Server_ethernet_address:\ :ip=MFP_Server_ip_address:

Lines should be indented with tabs.

Where hostname is the device name of a MFP Server, the ht=1 tag specifies the hardware type is Ethernet, the ha= tag specifies the Ethernet address of a MFP Server, which is the Node ID located on the MFP Server. The ha tag must be preceded by the ht tag. The ip= tag should correspond to the IP address you want to assign to the MFP Server.

For example, a MFP Server with the following configuration:

Node ID: 00304F010101 (this implies Ethernet address is 00304F010101),

IP address: 203.66.191.12

The entry for this MFP Server in the /etc/bootptab file should be:

MF010101:\

:ht=1:\ :ha=00304F010101:\ :ip=203.66.191.12:

11.4 Verify MFP Server's IP Address

To verify your MFP Server is responding to the newly assigned IP address using a PING command:

ping ip-address

11.5 Configure Remote LPD Printing on the Host

The procedure you use to configure your Unix host(s) to allow printing to your network remote MFP Server varies between different varieties of Unix. The procedure below can be used for Unix variants that are related to BSD Unix, such as SunOS or Linux. For other versions of

Unix, consult your system documentation, keeping in mind that:

- 1. The MFP Server should be treated as a BSD networked MFP Server host.
- The host name should be the name (or IP address) that you have assigned to the MFP Server.
- 3. The printer name (or queue name) on the remote host should be lpt1, lpt2 or lpt3, the name of the printer port on the MFP Server.

You will need to perform the tasks below, logged in as the superuser (root). To configure your Unix host for printing,

 Optionally, assign a name corresponding to the MFP Server's IP address. You can add this address to the /etc/hosts file, by adding a line such as:

203.66.191.186 pserver

2. Create a spool directory for the printer in the same directory where spool directories are normally kept on the machine, such as /var/spool or /var/spool/lpd:

mkdir /var/spool/lpd/pserverd chown daemon /var/spool/lpd/pserverd chgrp daemon /var/spool/lpd/pserverd chmod 775 /var/spool/lpd/pserverd

3. Add an entry to the host's /etc/printcap file, similar to the following:

printer-name:\
 :lp=:\
 :rm=203.66.191.186:\
 :rp=lpt1:\
 :lf=/var/spool/lpd/pserverd.log:\
 :sd=/var/spool/lpd/pserverd:\
 :mx#0:

Lines should be indented with tabs. More than one printer name can be used, with variants separated by vertical bars (name1|name2).

The rm= entry should correspond to the IP address you have assigned to the MFP Server. You can also use a host name if you have assigned one in the /etc/hosts file.

The sd= entry should correspond to the spool directory you created in the previous step.

The rp= entry should correspond to the port name of the remote printer. The values should be one of lpt1, lpt2 or lpt3 depends on the printer port.

The MFP Server should now be available for printing from your Unix host.

12. MFP Server Installation in MAC OS

LPR Printing (Line Printer Remote technology) allows Macintosh computers to connect to MFPs or printers via TCP/IP. LPR Printing can be set up on any Macintosh with version 9.x above.

To enable LPR Printing in Macintosh, please follow the procedures below.

1. In the Desktop, click "System Preferences".



2. Click "Print & Fax".



3. From the "Print & Fax" screen, click "Set Up Printers...".

	Printing	Faxing	
	Set Up P	rinters	
		Č	
Selected printer	in Print Dialog:	Last printer used	
Default paper size	in Page Setup:	US Letter	:
] Share my print	ters with other computers	

4. Click "Add" to add the new MFP Server through TCP/IP.

000		Printe	er List	
Make De		Utility Colo	rSync Show Info	Host
	PS000888_lpt1 PS123487_lpt1		EPSON Stylus Col EPSON Stylus Colo	

 Enter the "Printer Type", "Printer Address" and "Queue Name" and select the "Printer Model" to setup the MFP Server. Click "Add" to continue.

Printer Type: LPD/LPR

Printer Address: Input the IP Address of the MFP Server

Queue Name: The queue name of the MFP Server is "lpt1".

Printer Model: Select the MFP or Printer Model that is attached to the MFP Server.

00	0	Printer List	C	
Make		IP Printing		
n Men	Printer Type:	LPD/LPR	•	
2	Printer Address:	192.168.1.227		
		Complete and valid address.		
	Queue Name:	lpt1		
		Leave blank for default queue		
_	Printer Model:	EPSON		
	Model Name	20, 2013 1 dmp 11mt 1 12.3		
		51, CUPS+Gimp-Print v4.2.5	6	
	EPSON Stylus C62, CUPS+Gimp-Print v4.2.5			
		70, CUPS+Gimp-Print v4.2.5 80, CUPS+Gimp-Print v4.2.5	* *	
		Cancel	Add	

6. The MFP Server is installed completely. You can see it in the "Printer List".

🧉 Printer Setup Utility Edit View Print	ers Window Help	 Wed 11:42 PM
9 \varTheta 🖯	Printer List	C
Add Delete Utility ColorSync Show Ir	fo	
n Menu Name Suutos	King	Host
LPT1 on 192.168.1.227	EPSON Stylus C61, CUPS+Gimp-Prin	t v4.2.5
PS000888_Ipt1	EPSON Stylus Color 740, CUPS+Gimp-I	Print v4.2.5
PS123487_lpt1	EPSON Stylus Color 740, CUPS+Gimp-I	Print v4.2.5

7. You can print a file to check whether the MFP Server is installed successfully.

$\bigcirc \bigcirc \bigcirc$	LPT1 on 192.168.1.227	0
Delete Hol	Resume Stop Jc Stop Jobs	
	SuperMario.jpg	
~ <u></u> ~	Spooling LPR job, 55% complete	***
Status	A Name	
Printing	SuperMario.jpg	At
		11.

13. Troubleshooting

- 1. This product is not found even after searching by the "MFP Server Control Manager".
 - Check if the power adapter and the network cable are connected to the MFP Server properly.
 - Check if the LAN and Ready LEDs are turned on.
 - Check if the IP Address of the MFP Server is in the network segment as your computer.
 - If you are not sure the IP Address setting of the MFP Server, please check the TCP/IP setting of the MFP Server from the "Server Manager".
- 2. The ways to change the IP Address of the MFP Server.
 - A DHCP Server is installed in the network

If a DHCP Server is installed, you can setup to let the MFP Server get IP Address from the DHCP Server automatically.

- 1. Open "Server Manager" and then select "TCP/IP" setting.
- 2. Select "Auto IP" and click "Save".
- 3. Reboot the MFP Server.
- Set up the IP Address Manually
- 1. Open "Server Manager" and then select "TCP/IP" setting.
- 2. Select "Static IP" and enter the IP Address and Subnet Mask as your computer. Click "Save".
- 3. Reboot the MFP Server.

Note: Set a static IP Address to MFP Server is recommended since DHCP assignment may dramatically change the IP Address for MFP Server.

TCP/IP - MFCA1718	}					
		TCP/IP				
TCP/IP Settings						
T P	C Auto IP	 Static II 	5			
	IP Address :	192	168	0	1	
	Subnet Mask :	255	255	255	0	
	Gateway :	0	0	0	0	
				Save	c	ancel

- 3. A user always connects the MFP Server.
 - Check the "Idle Timeout" setting of the MFP Server from the right side of "MFP Server Control Manager". If the status is "Never Timeout", please contact with your administrator to change the setting.
 - Contact with the current user and ask the user to disconnect the device.
 - If the user forgets to disconnect the device, you can inform the administrator to release the device.
- 4. I can't use the MFP to scan, print or read the card reader even I have followed the installation of MFP as the manual.
 - Check if the MFP you are using is in the "Compatibility List" in Appendix.
 - Attached the MFP to PC directly and try if the MFP is able to use.

Appendix A: MFP Server Compatibility List

The compatibility information is the first released in December 2005. For the latest information, please contact with your dealer.

			Windows 2000	Windows XP (Scan/Print)		
No.	Brand Name MFP Model (Scan/Print)		XP Built-In Scan Utility	Own Scan Utility		
1	HP	PSC 1210	\checkmark	✓	\checkmark	
2	HP	PSC 1350	\checkmark	✓	\checkmark	
3	HP	PSC 1410	\checkmark	✓	\checkmark	
4	HP	PSC 1510	\checkmark	✓	~	
5	HP	PSC 1610	\checkmark	\checkmark	\checkmark	
6	HP	PSC 2210	\checkmark	\checkmark	\checkmark	
7	HP	PSC 2310	\checkmark	✓	\checkmark	
8	HP	PSC 2355	\checkmark	\checkmark	\checkmark	
9	HP	PSC 2410	\checkmark	\checkmark	\checkmark	
10	HP	PSC 2510	\checkmark	\checkmark	\checkmark	
11	HP	PSC 2610	\checkmark	\checkmark	\checkmark	
12	HP	PSC 2710	\checkmark	\checkmark	\checkmark	
13	HP	PhotoSmart 2575	\checkmark	\checkmark	\checkmark	
14	HP	PhotoSmart 3110	\checkmark	\checkmark	\checkmark	
15	HP	PhotoSmart 3310	\checkmark	\checkmark	\checkmark	
16	HP	Office Jet 4255	\checkmark	\checkmark	\checkmark	
17	HP	Office Jet 5510	\checkmark	\checkmark	\checkmark	
18	HP	Office Jet 5610	\checkmark	\checkmark	~	
19	HP	Office Jet 6110	\checkmark	\checkmark	\checkmark	
20	HP	Office Jet 6210	✓	\checkmark	✓	
21	HP	Office Jet 7210	✓	✓	\checkmark	
22	HP	Office Jet 7410	✓	✓	✓	
23	HP	Office Jet 9100	✓	√	✓	
24	EPSON	CX1500	✓	√	✓	
25	EPSON	RX430	\checkmark	\checkmark	\checkmark	

26	EPSON	RX510	✓	\checkmark	✓
27	EPSON	RX630	✓	\checkmark	\checkmark
28	CANON	MPC 190	✓	\checkmark	\checkmark
29	CANON	PLXMA MP 130	\checkmark	\checkmark	\checkmark
30	CANON	PLXMA MP150	✓	\checkmark	\checkmark
31	CANON	PLXMA MP170	✓	\checkmark	\checkmark
32	CANON	PLXMA MP450	✓	\checkmark	\checkmark
33	LEXMARK	X5150	✓	\checkmark	\checkmark
34	LEXMARK	X7170	\checkmark		\checkmark

Appendix B: Specification

Model	FPS-1010M	
Printer Connector	1 * USB 2.0 (Type A, Female)	
Ethernet Connector	1 * 10/100Base-TX	
LEDs	3; LAN, ACT, READY	
Protocol Support	TCP/IP, IPP, LPR, HTTP, DHCP	
Power Input	7.5V DC, 500mA	
Cabling Type	10Base-T UTP Cat 3 or better	
	100Base-TX UTP Cat5 or better	
Network Speed	10/100Mbps, Half-Duplex mode	
•	20/200Mbps, Full-Duplex mode	
Dimention (L * W * H)	75 x 56 x 23 (mm)	
Weight	62g	
Environmental	Operating Temperature : 0~55 degree C	
Specifications	Storage Temperature: -25 ~ 75 degree C	
	Operating Humidity: 10~95%	
	Storage Humidity: 10~95%	
EMI	CE, FCC Class B	