Connecting Print Partner V series to OS/2 v4 using an Ethernet C Print Server card.

Introduction
This document describes how to use OS/2 Warp v4.0 as a print server for Fujitsu’s Print Partner V series printer range. A print server is the place on the network where print jobs are queued up prior to being sent to the printer. It is possible for a printer to have just one queue on a dedicated server, or to have a queue on each machine on the network. Typically a dedicated server is used on large networks, and smaller workgroup networks use a queue on each machine. Whether you need to set up a server or individual queues, the setup of OS/2 is more or less the same. The differences are, on a server you need to share the queue so that everybody else can use it, and in multiple queue environments you need to repeat the procedure on each machine that needs to connect to the printer.

Note this procedure requires that the IBM IEEE 802.2 protocol be installed. If it is not, use MPTS/LAPS to install it.

Setup Procedure
1. **Install the printer network adapter card into the printer.** Connect the printer to its mains supply, and then plug in its network connection. Switch the printer on.
2. Now **install MarkVision for OS/2 on to your print server PC.**
3. Lastly **install the printer on your OS/2** machine. Repeat this procedure as required where multiple printer queues are required.

Installing the printer network adapter into the printer
The Print Partner V series printers use the Fujitsu Ethernet C adapter card, to connect to Ethernet type networks. This needs to be installed into the printer as follows:

1) Remove the blanking cover above the parallel port by removing the two securing screws.
2) Use a tested and working anti-static wrist strap in accordance with its manufacturer's instructions. Remove the network adapter from its packaging, and slide the board into the interface slot, and push it home. Secure the board with the screws supplied.

3) Connect the adapter card to your network either using the 10BaseT (twisted pair) or 10Base2 (thinnet coax cable) port. The printer will automatically detect the Ethernet adapter and which port is being used when the printer is powered up.

**Installing MarkVision for OS/2 on to your print server PC**

The next step is to install the MarkVision for OS/2, on the machine you will be using as a print server. To do this:

1. You will require the CD entitled ‘OS/2WARP Server Version 4 CDROM 2’, which came with your copy of OS/2 server. Insert the CD into your print server machine, and run the install program by:
   
   I. Open an OS/2 command prompt window from OS/2’s LaunchPad.

   II. Type the command:

   ```
   d:\bpiu\markvisn\setup
   ```

   Where ‘d’ is the drive letter of your CDROM drive.

   III. Press return.

2. The MarkVision for OS/2 flash screen will be displayed. Click “Continue”.

3. In the next window set the installation type to “Local copy”. Accept all other defaults and click “Install”.

4. The installation program will then report that the installation is complete. Click “Exit”. Note that a new object, “Lexmark Printer Utilities” has been added to the desktop.
Installing the printer on your OS/2 machine

To complete the installation of the printer it is necessary to install the printer onto an OS/2 printer port, install a printer driver and connect an OS/2 printer icon to the printer port. The MarkVision Utility installed above enables you to connect the Print Partner to an OS/2 printer port. Follow the steps below to add remote OS/2 printer ports.

1. Open the “Lexmark Printer Utilities” object, and start MarkVision.

2. From the utilities menu select “Install MarkNet Port”

3. In the “MarkNet Port Driver” notebook, make sure that the correct network interface cards are selected. Note that if there is only one card installed in the machine, it will be adapter 0. Accept the other default setting by clicking “ok”. MarkVision will now search the network for printer interface cards.

4. Once MarkVision has completed its search of the network, select the port you wish to install and type in a port description. Make a note of the description it will be required later. Click “Install”.

5. A notebook for the port that has just been created is displayed. It is not necessary to change any settings, thus close the notebook. It is then possible to install other ports if necessary, otherwise close the “MarkNet Network Port Driver” notebook, and then close MarkVision.

   It is now necessary to add a printer icon and install a printer driver. To do this:

1. Open the Templates folder, which can be found in the OS/2 system folder.

2. Using the right hand mouse button, drag the printer icon to the desktop. A configuration window will be displayed.

3. In the configuration window, type in a name for the printer. This can be any name you like, but try to be descriptive, giving an idea of the type and location of the printer.

4. Now select a printer driver:
   I. Click ‘Install new printer driver’
   II. Select a compatible printer driver from the printers shipped with OS/2, i.e. HP LaserJet 4si.
   III. When prompted, insert the OS/2 warp CD in to the machine. Check that OS/2 has selected the correct drive letter for your CDROM drive, and change it if necessary.  Click OK.
   IV. OS/2 will then report ‘Installation OK’. Click OK.

5. Select an output port for the printer. This will be in the form:

   MarkNetn <your port description>

   Where n is a number, and <your port description> is the port description typed in above.

6. Click the create button.

7. If the OS/2 machine is being set up as a print server, it is necessary to share the printer you have just created so that other machines on the network can use it.