Certifications

UL 1950, CAN/CSA C22.2 No. 950, IEC 950, FCC Class A, EN55022 (class A), EN50082-1, EN60950, C-Tick, VCCI, MPR II (monitors only), CE, Energy Star Compliant (both monitor and logic unit).

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Revisions

Revision history of this document:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Revision Date</th>
<th>Description</th>
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</thead>
</table>

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Safety Summary

Terms In This Document

CAUTION statements identify conditions of practices that can result in damage to the equipment or other property.
Floppy Disk Drive Installation

Introduction

These instructions describe how to connect your new floppy disk drive to your Network Computer (NC). Connection is made to the parallel port on the NC. When you are using the WinDD ICA client, this drive provides you with PC file storage and retrieval capability at your NC.

With NCBridge 3.2 (or higher), there is a new local floppy manager client that allows the user to transfer files between a UNIX host and the local floppy disk. Operation of this client is described later in this document.

Before you begin installation, check the contents of the kit to be sure that you have everything and check to be sure you have a Parallel Port installed in your NC. Then turn to the installation procedures that begin on page 2.

Kit Contents

The Floppy Drive kit includes the following:
- One Floppy Drive
- One AC Power Adapter
- One AC Power Cord
- One Interconnect cable
- These installation instructions
System Requirements

To connect the floppy drive to your NC, you must have a Parallel Port installed. If you do not have a Parallel Port installed, contact your NCD distributor or sales representative. In addition, your NC must be operating with NCBridge Software Version 3.2 or later.

Connecting the Drive

1. Connect the drive to the NC’s parallel port. Refer to the drawing in Figure 1. Look at the plugs on the interconnect cable. The plug that has pins connects to the NC; the plug that has holes connects to the floppy drive.

2. Connect the power supply to the floppy drive as shown. Now you are ready to make the connection to the network described on page 4.
Connecting the Drive

Figure 1. Connecting the Floppy Drive to the NC
Connecting the Drive to the Network with Windows NT Terminal Server

This section describes how to connect the floppy drive to the network via an ICA connection using a Windows NT 4.0 Terminal Server Edition host.

Before you can use the floppy drive you must connect the drive to the network, which means that you give the drive a designator and a path on the network. You only need to make this connection one time. The network connection will remain in effect each time you log on until you specifically disconnect the drive from the network.

Remember that you have exclusive access to the floppy drive connected to your NC. Other users cannot read from or write to the floppy drive connected to your NC, and you cannot read from or write to floppy drives connected to other NCs.

The following is a description for mapping the local floppy disk to a Windows NT Terminal Server using MetaFrame software.

1. Click on the Start button and select Programs ⇒ Windows Explorer.
2. Use either the Map Network Drive icon (Figure 2) if View ⇒ Toolbar is on or Tools ⇒ Map Network Drive Menu (Figure 3) if the icons are not used.
Connecting the Drive to the Network with Windows NT Terminal Server

3. To disconnect a network drive, click on the Disconnect network drive icon or select Tools⇒Disconnect Network Drive... In the dialog box that appears, select the drive to be disconnected and click OK.

4. Select a drive designation in the Drive field (see Figure 4). The letter that appears in the block is the next available unused drive designation. You can use this letter or select a different one by pulling down on the button in the block or at the end of the block.

5. Enter \Client\A$ in the Path field. To do this: select the A drive in the Shared Directories (double-click on Client Network, then on Client, then click on A:), or pull down on the button at the end of the Path field and select \Client\A$.

6. Click on the OK button to make the connection.

The drive, which appears as a drive icon in the Windows Explorer window, is ready for use. You can use the Windows Explorer to move files to or from the floppy drive just as you would any other drive.
Formatting a Disk

The current version of Windows NT Server 4.0 is not designed to format network-connected floppy disks. This means that you cannot format a disk locally in the disk drive connected to your NC using the disk formatting operations (Copy Disk, Label Disk, and Format Disk) in the File menu of the Windows Program Manager. Local disk-formatting capability is, however, a feature of the WinDD ICA client.

To format a disk, click the Disk button at the bottom of the WinDD login window (Figure 5) or select Disk from the Options menu in the WinDD menu bar (Figure 6). In either case the Disk Formatting Menu appears (Figure 7). Fill in the volume label block and set the Capacity and Quick Format parameters as appropriate, then press the Start button.

>>> CAUTION: The Copy Disk, Label Disk, and Format Disk selections in the Disk menu of the Windows File Manager are for use with the application server’s A: drive. They have no effect on a disk in your local floppy drive and may destroy data on any disk in the servers A: drive.
Formatting a Disk

Figure 5. WinDD ICA Client Log On Window

Figure 6. WinDD ICA Client Options Menu
Floppy Disk Drive Installation

Figure 7. Disk Formatting Menu
Local Floppy Manager (LFM) Client for UNIX Hosts

The LFM client provides a Graphical User Interface (GUI) for copying files between the local floppy drive attached to the NC via the parallel interface and a UNIX host server. The GUI features a point and click operation. The LFM client is available with NCBridge version 3.2 or higher.

The LFM client is compatible with both the current NC product and earlier NCs and X terminals. The compatible platforms are XP117C, XP119C, XP119M, XP200, XP350, XP400, NC200, NC400 and NC900 series products.

To start the LFM on an NC, ensure that the floppy drive is connected to the parallel port of the NC and powered up. Then, for the NC900, type this command at the command-line prompt:

```
xpsh -display <ipaddr>:0 lfm.900
```

Example:
```
xpsh -display 134.6.5.12:0 lfm.900
```

To start the LFM client on a NC200/400 unit, type the following:

```
xpsh -display <ipaddr>:0 lfm.500
```

Example:
```
xpsh -display 134.6.7.14:0 lfm.500
```

Once the client is properly executed, the console of the NC should indicate that the files “lfm.xxx” and “fdDrv.xxx” have been loaded, where “xxx” is one of the extensions listed below:

<table>
<thead>
<tr>
<th>Model</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>XP</td>
<td>(*.350)</td>
</tr>
<tr>
<td>NC200/NC400</td>
<td>(*.500)</td>
</tr>
<tr>
<td>NC900</td>
<td>(*.900)</td>
</tr>
</tbody>
</table>

The client screen should appear, as shown in Figure 8.
Figure 8. Local Floppy Manager Client
## Troubleshooting

Use this troubleshooting guide if you encounter problems installing or using the floppy disk drive.

<table>
<thead>
<tr>
<th>If . . .</th>
<th>Then . . .</th>
</tr>
</thead>
<tbody>
<tr>
<td>You cannot read files on a disk in the drive.</td>
<td>Check that the interconnect cable is installed correctly and completely attached to the floppy drive and the X terminal.</td>
</tr>
<tr>
<td>The WinDD ICA client window “hangs” when you attempt to connect network drive.</td>
<td>This typically happens when the local print spooler or net to port access is enabled. You (or your system administrator) can disable them by doing the following: 1. Reset the X server from the Setup window. 2. Modify the <code>xp.cnf</code> file to disable the net to port access or the local print spooler. Then restart the NC.</td>
</tr>
<tr>
<td>The floppy drive will not format a disk.</td>
<td>Be sure that you use only the “Format” button at the bottom of the WinDD ICA client log on window or select “Format” from the Options menu in the WinDD menu bar when attempting to format a disk. Do not use the <strong>Copy Disk</strong>, <strong>Label Disk</strong>, or <strong>Format Disk</strong> selections in the Disk menu of the Windows File Manager. These are for use with the application server’s A: drive; they have no effect on a disk in your floppy and may destroy data on any disk in the servers A: drive.</td>
</tr>
</tbody>
</table>
Floppy Disk Drive Installation