

# ***Xerox DigiPath Production Software***

## ***Physical Installation Planning Guide***

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Changes are periodically made to this document. Changes, technical inaccuracies, and typographical errors will be corrected in subsequent editions.

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# Notices and Certifications

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## Approvals and certification

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## Electro magnetic emissions

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### USA and Canada

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*NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.*

*The equipment is listed by Underwriters Laboratories, UL 1950, and certified to Canadian Standards Association, CSA22.2, No. 950 - 95, by Underwriters Laboratories.*

*Changes or modifications to this equipment not specifically approved by the Xerox Corporation may void the user's authority to operate this equipment.*

*Shielded cables must be used with this equipment to maintain compliance with FCC regulations.*

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**Australia / New Zealand**

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Changes or modifications to this equipment not specifically approved by Fuji Xerox Australia Pty. Limited may void the user's authority to operate this equipment.

Shielded cables must be used with this equipment to maintain compliance with the Radiocommunications Act 1992.

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**European Union**

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**WARNING**

**This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.**

Changes or modifications to this equipment not specifically approved by Xerox Europe may void the user's authority to operate this equipment.

Shielded cables must be used with this equipment to maintain compliance with the EMC Directive (89/336/EEC).

**WARNING**

**In order to allow this equipment to operate in proximity to Industrial, Scientific and Medical (ISM) equipment, the external radiation from ISM equipment may have to be limited or special mitigation measures taken.**

## Japan

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この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

### Translation:

*This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.*

Changes or modifications to this equipment not specifically approved by Fuji Xerox Limited may void the user's authority to operate this equipment.

Shielded cables must be used with this equipment to maintain compliance with the Voluntary Control Council for Interference by Information Technology Equipment regulations.





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# Safety

Your equipment has been designed and tested to meet strict safety requirements. These include safety agency examination and approval, and compliance with established environmental standards. Please read the following instructions carefully before operating the equipment.

Failure to follow the recommendations in this section may result in personal injury or rescinding of the machine maintenance agreement.

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## Operational safety

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### WARNING

**An improper connection to the equipment-grounding conductor can result in electrical shock.**

**Always** connect the equipment to a properly grounded power source receptacle. If in doubt, have the receptacle checked by a qualified electrician.

**Never** use an extension cord between the power cord and an electrical outlet.

**Do not** allow anything to rest on the power cord.

**Follow** all warnings and instructions that are marked on or supplied with the equipment.

**Never** override or “cheat” electrical or mechanical interlock devices.

**Always** locate the equipment on a solid support surface with adequate strength for the weight of the equipment. If relocation is required, do not move the equipment by yourself. Call the Xerox Service Department for assistance.

**Do not** use the equipment near water, wet locations, or outdoors.

**Never** push objects of any kind into the slots of the equipment, as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock.

**This** equipment is designed to prevent operator access to unsafe areas and to ensure that the equipment will not operate with the covers opened. Never attempt any maintenance function that is not specified in this User Guide.

**Never** remove any covers or guards that require a tool for removal. There are no operator-serviceable areas behind these covers.

**Never** attempt any activity that is not specified in this Guide or on the User Interface, or that is not specifically directed by an authorized Xerox Representative.

**Do not** look directly at the exposure lamp on the scanner. The exposure lamp is not harmful but it is very bright and may cause discomfort. It is recommended the Document Handler be kept closed when the equipment is in use.

**Never** operate the equipment if unusual noises or odors are detected. Disconnect the power cord from the power source receptacle and call the Xerox Service Department to correct any problems.

## Maintenance safety

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*NOTE: Refer to these instructions as needed in order to ensure safe operation of the equipment.*

**Always** use materials that are supplied or approved by Xerox. Use of other materials may result in poor performance and could create a hazardous situation.

**Do not** use aerosol cleaners. Follow the instructions in the Preventive Maintenance Guide or in the HTML-based help system included with the DigiPath Production Software for the correct cleaning methods.

**Never** use supplies or cleaning materials for purposes other than what they were intended. Keep all supplies and cleaning materials out of reach of children.

**Never** place coffee or other liquids on the equipment.

**Never** spill liquid of any kind on the equipment.

**This** system is equipped with energy-saving devices to conserve power when it is not in use. The equipment may remain on at all times.

If you need additional safety information concerning the equipment or Xerox supplied materials, you may call the following toll-free number: 1-800-828-6571.



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# 1. Introduction

Congratulations on selecting a Xerox DigiPath Production Software (DigiPath) product. As with any new equipment, the site must be prepared before the equipment can be installed. The *Xerox DigiPath Production Software Physical Installation Planning Guide* is designed to assist in planning for and completing the installation of your DigiPath solution. Ensure that this guide is accessible at all times.

A Xerox customer representative is also dedicated to assisting you in planning and implementing a smooth and successful installation of your DigiPath product. Consult with your Xerox customer representative if there are any questions.

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## Using this guide

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The Xerox customer representative will provide an orientation to the installation process and will assist you in getting the best use out of this book.

Use this book as a reference tool while you complete the tasks on the installation checklists in Chapter 2. Exact specifications and requirements related to installation tasks are found in this guide.

Complete each task on each checklist according to the exact specifications and requirements outlined in this guide.

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## Overview

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This book provides guidelines to ensure successful installation of a DigiPath system. The guide is divided into the following chapters:

- **Chapter 1 Introduction**

This chapter describes how to use this book to ensure a successful installation of DigiPath. The Complete Installation Checklist summarizes the tasks that must be completed before, during and after an DigiPath installation.

- **Chapter 2 Site selection and preparation**

This chapter provides a diagram of the DigiPath hardware components, and a list of some of the hardware components required for a makeready system. It also contains a checklist to help you select a site for your DigiPath product, a second checklist of tasks required to prepare the site, and a third checklist of activities necessary to complete the actual installation.

- **Chapter 3 Cabling**

This chapter provides information on network cabling requirements for your DigiPath system.

- **Chapter 4 Optional equipment**

This chapter lists optional hardware and software components available with DigiPath.

- **Appendix A**

Appendix A details the furniture requirements for the DocuImage 620S scanner, as well as the DigiPath Production Scanner.

## Planning the installation

The Complete Installation Checklist in Table 1-1 outlines the activities that must be completed before, during and after the installation. These tasks are necessary to ensure a successful installation of your DigiPath system, and a smooth transition for DigiPath users.

Make copies of the Complete Installation Checklist. Keep the original in this guide for future use.

For detailed descriptions of the activities listed on the Complete Installation Checklist, see Chapter 2, "Site Selection And Preparation."

### Completing the checklist

The **Activity** column lists the actions required to support the installation.

The **Responsibility** column defines an activity as a customer responsibility, a Xerox responsibility, or a shared responsibility.

An **asterisk (\*)** identifies who is responsible for completing the activity. Write in the name of the person or persons responsible for completing this activity in order to maintain accurate records.

Use the **Date complete** column to indicate when an activity has been completed. Write in the date of completion, to provide a status of the activities and to maintain accurate records.

Consult with the Xerox customer representative if there are any questions.

**Table 1-1. Complete Installation Checklist - Xerox DigiPath Production Software**

Activity	Responsibility (enter the name next to the *)		Date complete
	Customer	Xerox	
Verify installation requirements are met per this guide:	*	*	
• Site Selection Checklist completed	*	*	
• Site Preparation Checklist completed	*	*	
• Site Delivery/Installation Checklist completed	*	*	
Conduct implementation/installation review	*	*	





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## 2. Site selection and Preparation

This portion of the *Xerox DigiPath Production Software Physical Installation Planning Guide* contains guidelines to help you select and prepare the customer site to enable the installation of the Xerox DigiPath Production Software (DigiPath) hardware components.

Part of this chapter will assist you in selecting an appropriate site for your DigiPath product. There is a list of the required hardware for DigiPath, and the function of each hardware component. The physical requirements, environmental requirements, space requirements, electrical requirements, and consumable requirements are described in detail. Finally, a checklist is provided so you can track the site selection progress.

As with any new equipment, the site must be prepared before the equipment can be installed. This chapter also provides information and a checklist so you can monitor the progress of your site's preparation.

Finally, this chapter provides information and a checklist which outlines the tasks necessary to complete the delivery and installation of your DigiPath hardware and software, and ensure a smooth transition for your personnel.

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## Installation checklists

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This chapter contains three installation checklists which outline the tasks and activities that must be completed to ensure proper installation.

Use the checklists as a guide for ensuring successful installation of the Xerox DigiPath Production Software equipment only. Consult with the Xerox customer representative to determine the exact lead times for each task listed on the checklists.

Refer to the appropriate section of this book for specific details about the tasks on each checklist. Consult with the Xerox customer representative if there are any questions.

Make copies of the checklists. Keep the original checklists in this guide for future use.

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### Completing the checklists

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The **Activity** column lists the actions required to support the installation.

The **Responsibility** column defines an activity as a customer responsibility, a Xerox responsibility, or a shared responsibility.

An **asterisk (\*)** identifies who is responsible for completing the activity. Write in the name of the person or persons responsible for completing this activity in order to maintain accurate records.

Use the **Date complete** column to indicate when an activity has been completed. Write in the date of completion, to provide a status of the activities and to maintain accurate records.

Consult with the Xerox customer representative if there are any questions.

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## Overview

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The Xerox DigiPath Production Software system allows users to merge scanned images with existing or newly-created text, to structure and format documents, and to store documents online. The basic DigiPath configuration consists of both hardware and software components.

The DigiPath client software can be run on any personal computer (PC) that meets minimum configuration requirements, although only specific hardware platforms are officially supported by Xerox DigiPath Production Software. A specific hardware platform is bundled with the software; at this time, the current client platform which will ship with the DigiPath 2.0 product is the Compaq AP500/550 MHz Pentium III processor, with 256 MB RAM and dual 9.1 GB Hard Disk Drives.

Using the DigiPath client software, the user can create and send documents to a network publisher, such as a DocuTech or DocuPrint, from the PC client, or publish them online with the Web Viewing and Submission option.

Figure 2-1 displays all the hardware (both required and optional) available with DigiPath.

The DigiPath system functionality is divided into two main elements:

- The PC client element - provides the end user with the ability to create documents, merge scanned objects at the PC client and catalog individual objects (files and directories) for mass storage.
- The network connection element - enables the use of different protocols to connect to multiple printers or the network publishers.

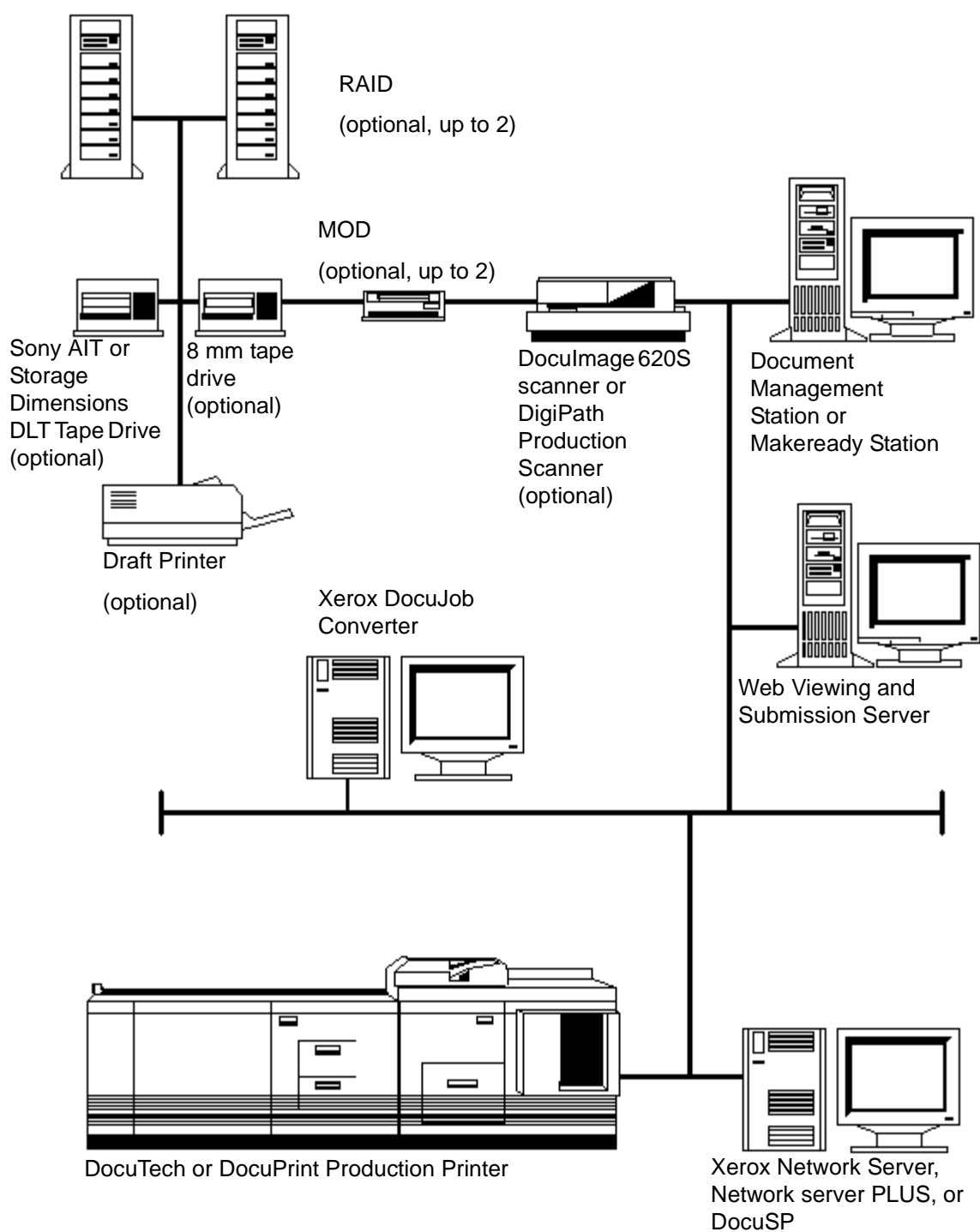
*NOTE: The Xerox Network Servers (Network Server, Network Server PLUS, and DocuSP) must have a 1GByte internal drive to support the large job files sent by DigiPath.*

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### DigiPath Scanner

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In addition to the DocuImage 620S Scanner which was standard equipment for earlier versions of the DigiPath product, DigiPath now provides the end user with the ability to scan objects at a PC by using the high speed DigiPath scanner.



**Figure 2-1. DigiPath hardware components**

## Hardware components

The Xerox DigiPath Production Software system is available with the following base set of hardware, with a variety of options.

For descriptions of optional hardware components, see Chapter 4, “Optional Equipment.”

Table 2-1 includes the part number, purpose, prerequisites, and kit contents (where applicable) for each hardware component required to run DigiPath.

**Table 2-1. Required DigiPath Hardware Components**

Component	Part Number	Purpose	Prerequisites
Compaq Professional Workstation AP 500/550 <ul style="list-style-type: none"> <li>Intel 440 BX Chipset               <ul style="list-style-type: none"> <li>550 MHz Pentium III CPU with MMX and AGP support</li> <li>100 MHz Front Side (CPU to RAM) bus</li> <li>512KB Level 2 Cache</li> </ul> </li> <li>256 MB of RAM</li> <li>ELSA GLoria Synergy II AGP Graphics Controller</li> <li>Dual 9.1 GB Wide-Ultra SCSI Hard Drives</li> <li>Internal 32x CD-ROM Drive</li> <li>Fast Ethernet (10/100 Mbps) embedded NIC NC3121</li> <li>56 Kbps modem</li> <li>Internal 10/20 GB TR5 IDE Tape Drive</li> <li>3 1/2 inch Floppy Drive, 1.44 MB</li> <li>MS Windows NT Workstation 4.0 ( build 1381; Service Pack 5)</li> </ul>	97S02307	Platform on which DigiPath- specific software resides.	
Compaq 21" P1100 color monitor 1600x1200	97S02183	Enables display of images.	
DocuImage 620S Scanner	100S7730	High-speed scanner with capability of 600 dpi scanning.	A PCI ultra-wide SCSI board must be installed.
DocuImage 620S Scanner Automatic Document Handler Kit (this kit is required only if the customer wishes to scan multiple document stacks)	98K42100	Mounted on top of the scanner. Provides ability to do multi-page scanning	A functional DocuImage 620S Scanner

**Table 2-1. Required DigiPath Hardware Components**

Component	Part Number	Purpose	Prerequisites
Adaptec ASC29160 SCSI PWBA	98K58830	Enables communications between the PC & the scanner.	
DigiPath Scanner	100S10668	High speed scanner with capability of 600 DPI scanning	A PCI Ultra-Wide SCSI PWB must be installed.
DigiPath Production Scanner Duplex Automatic Document Feeder (DADF)	N/A	Mounts on top of the DigiPath Scanner and provides the ability to do multi-page simplex and duplex scanning	The DigiPath Production Scanner
Adaptec 2940AHAU2W SCSI PWBA	98K88340	Enables communication between the PC and the scanner	
Network connection kit	Depends on client's network requirements. See chapter 3.	Provides the necessary hardware for connecting to the client's network	An active network

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## Site selection

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The Xerox customer representative will assist you in reviewing the preliminary requirements for selecting the installation site for the Xerox DigiPath Production Software system. These requirements include the following items:

- Physical dimensions
- Environmental requirements
- Space requirements
- Electrical requirements
- Required consumables (supplies)

The customer is responsible for providing the dimensions of the work area and/or table where the hardware components will be installed.

## Physical dimensions of hardware components

Each configuration consists of multiple pieces of hardware. The hardware dimensions must be considered for the installation. Table 2-2 shows the height, width, depth, and weight for the hardware components.

**Table 2-2. Physical dimensions of hardware components for DigiPath**

Hardware Item	Height inches (mm)	Width inches (mm)	Depth inches (mm)	Weight lbs (kgs)
Compaq Professional Workstation AP 500	18.7 (475.0)	8.05 (210.8)	23.25 (590.6)	54.75 (28.83)
Compaq P1100 21" Color Monitor	20.6 (523.2)	20.1 (510.5)	19.8 (502.9)	70.4 (31.9)
DocuImage 620S Scanner	5.5 (140.0)	30.0 (787.0)	24 (622.0)	50.0 (22.7)
Automatic Document Handler	5.7 (145.0)	24.6 (625.0)	19.4 (493.0)	28.0 (10.0)
Manual Platen Cover	2.3 (58.0)	24.5 (623.0)	19.4 (493.0)	8.3 (13.5)
Scanner Footswitch with 6 foot cord	1 (25.4)	2.6 (66.0)	3.5 (88.9)	0.4 (0.18)
DigiPath Scanner	7.6 (Platen) (193)	31.3 (795.4)	25 (635.3)	80 (36.36)
DP Scanner Document Feeder (DADF)	5.75 (146.1)	28 (711.53)	22 (559)	24 (10.91)
Sony 5.2 GB Magneto Optical Drive, Model RMO-S551	2.8 (70.0)	9.8 (248.0)	10.6 (273.0)	13.0 (5.9)
Autologic Harmonics I 157 GB RAID	20.5 (521)	9.2 (235)	24 (610)	<b>82 (37.2)</b>
DEC HA730 100 GB RAID device	22.2 (564)	10.0 (254)	19.4 (494)	36.8 19.5
Uninterruptible Power Supply	6.4 (163)	4.6 (117)	14.8 (376)	25 (13)
Uninterruptible Power Supply (Back-UPS Pro) for Autologic RAID	8.5 (216)	6.7 (170)	17.3 (439)	42.6 (19.3)
Sony AIT TSL-SA300C/BM 100/140 GB Tape Drive	3.25 (82.6)	5.75 (146.1)	9.51 (241.6)	11 (5.7)
Xerox DocuPrint 4517MP Draft Printer	11.6 (294)	17.43 (442)	16.5 (418)	40.9 (18.6)
Xerox DocuPrint N32 Draft Printer	19.5 (486)	25.5 (642)	21.0 (523)	99 (45)

## Environmental requirements

The customer is responsible for providing an operating environment that is within the limits specified below:

- Temperature range: 50 to 90 deg. F (10 to 32 deg. C)
- Relative humidity: 20% to 80% (operating)

5% to 90% (nonoperating)

*NOTE: Failure to meet these requirements may cause misfeeds and excessive skew, as well as other operational problems with your scanner.*

- Air quality (RAID): Not to exceed 500,000 particles per cubic foot of air at a size of 0.5 micron or larger

### **CAUTION**

*Sensitive electronic components such as the PC, RAID, and scanner perform best in a clean environment.*

## **Space requirements**

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The Doculmage 620S scanner requires a minimum of 6 inches (152.4 mm) of empty space on each side, a minimum of 6 inches (152.4 mm) of empty space to the rear, and a minimum of 27.5 inches (700 mm) of empty space on the top to allow for proper ventilation and operating efficiency.

*NOTE: The PC interface cable used to connect the scanner to the PC client is 8 feet (2.4 meters) in length.*

The DigiPath Scanner requires a minimum of 6 inches (152.5 mm) on each side and a minimum of 6 inches (152.5 mm) to the rear for proper ventilation and to allow the scanner to operate most efficiently.

*NOTE: The SCSI cable used to connect the scanner to the PC is 3 (meters) in length.*

The Compaq Professional Workstation AP 500 requires 3 inches (76.2 mm) of clearance front and back for proper ventilation.

*NOTE: Avoid having any warm/hot exhaust from other equipment entering the scanner ventilation area.*

The optional RAID device can be installed on a desktop, table or floor. The recommended pedestal “footprint” for optimum operation is approximately 43.5 inches (1104 mm) x 18 inches (457 mm).

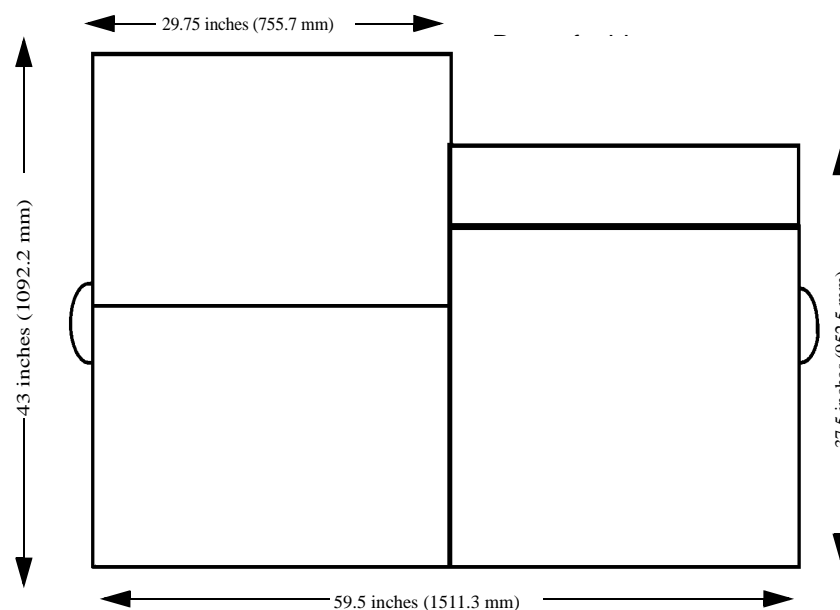


## Makeready Workstation Table

A special purpose-designed table is available with the DigiPath product. This table will house all the DigiPath required hardware, plus one RAID unit and one MOD unit.

*NOTE: If the customer does not opt to use the Makeready Table, the furniture on which the DigiPath system is placed must be able to bear at least 3 times the weight of the system.*

The optional Makeready Workstation Table requires a minimum of 6 inches (152.4 mm) of clearance on all sides. Figure 2-2. displays the dimensions of the Makeready Workstation Table (PN 98K59111) which is designated for use with the DocuImage 620S-based Makeready Workstation. This table can also be used with the new DigiPath Production Scanner-based workstation.



**Figure 2-2. Dimensions of optional Makeready Workstation table (top view).**

## Electrical requirements

The customer is responsible for providing the appropriate number of 15-amp or 20-amp, 115 VAC circuits in the United States and Canada (10 amp, 220 VAC for European installations). All devices come with power cords that are a minimum of 6 feet (1.8 meters) in length. Table 2-3 lists the power requirements and number of outlets for the hardware components.

*NOTE: It is recommended that the scanner and the draft printer each have their own dedicated line. There should be a separate outlet (wall outlet or power strip outlet) for each of the other hardware components listed in the table 2-3. Extension cords and multi-plug connectors do not meet the safety requirements for these hardware components.*

If you are not sure whether your site meets these requirements, consult with an electrical contractor.

A DigiPath Makeready station requires a minimum of 3 outlets.

A DigiPath Document Library station requires a minimum of 2 outlets.

A Web Viewing and Submission station requires a minimum of 2 outlets.

**Table 2-3. Hardware power requirements.**

Hardware Component	Voltage	Power Consumption	Outlets Needed
Compaq Professional Workstation AP 500	100–120 VAC (60/50 Hz) 200–240 VAC (60/50 Hz)	5A @ 115 VAC 3A @ 230 VAC (outputs 325 Watts)	1
Compaq P1100 Monitor	100–240 VAC	2A @ 100 VAC 1A @ 240 VAC	1
DigiPath Production Scanner	100-240 VAC	4A @ 115 VAC 2A @ 230 VAC	1
Doculmage 620S Scanner	100–120 VAC (60/50 Hz) 200–240 VAC (60/50 Hz)	4A @ 115 VAC 2A @ 230 VAC	1
DEC HA730 100 GB RAID	110–240 VAC (60/50 Hz)	1.5A @ 100 VAC 0.7A @ 240 VAC (outputs 204 Watts per power supply [2])	2: 1 on UPS, 1 wall outlet)

**Table 2-3. Hardware power requirements.**

Hardware Component	Voltage	Power Consumption	Outlets Needed
RAID Array Uninterruptible Power Supply	120 VAC (USA) (60/50 Hz)	6A @ 120 VAC	1
Autologic Harmonics I RAID	100-240 VAC	2A @ 120 VAC	2: 1 on UPS, 1 at wall socket
Back UPS Pro UPS for Harmonics I RAID	120 VAC (USA) (60/50 Hz)	1.17A @ 120 VAC	1
Sony AIT TSL-SA300C/BM 100 GB Tape Drive	100–120 VAC (60/50 Hz) 220–240 VAC (60/50 Hz)	0.6A 0.35A	1
Storage Dimensions 8 MM Tape Drive	110–120 (60/50 Hz) 220–240	0.7A 0.5A	1
Sony Optical Drive Model RMO-S551	100–240 (60/50 Hz)	0.6A 0.35A	1

### Ordering Supplies

Xerox recommends that you keep an adequate inventory of consumable supplies for the DocuImage 620S scanner, the DigiPath Scanner, and the removable media drives (AIT, 8mm, & MOD). An adequate supply is essential to avoid downtime and / or reduced performance of your DigiPath components. Those supplies necessary for installation are included with the hardware when shipped.

### DocuImage 620S supplies

The DocuImage 620S supplies include:

- Standard Prefeed Document Belt Module (PN 1K14913)
- Photocopy (blue & white) Prefeed Document Belt Module (PN 1K51691)
- Air Filters 5-Pack (PN 53K3670)
- Document Handler Sensor Cleaning Kit (PN 42K1131)
- Lens and Mirror Cleaner (PN 43H12, US & Canada; 8R90178, Europe)
- Film Remover (PN 43P45, US & Canada; 8R90176, Europe)
- Clean-ups (PN 43P67)

- Lint-free Cloths (PN 600S4372)
- Scanner registration documents (PN 82E10160)
- Antistatic Fluid (PN 8R90275)
- Document Handler Belt Dressing (PN 600S04902)

*NOTE: The appropriate maintenance intervals can be found in the Xerox DocuImage 620S Preventive Maintenance Guide (PN 701P14070)*

### **DigiPath Production Scanner supplies**

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The following items will be necessary to maintain the operating status of the DigiPath Production Scanner

- Xerox Platen Glass and Mirror Cleaner (PN 8R3669)
- Lint-free Cloths (PN 600S4372)
- DADF Feed Roller Assy. (PN 22K63760)
- Air Filter (PN 53E3954)

### **Other supplies**

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Sony blank data and cleaning tapes may be obtained from your local supplier. Additional information can be found at:  
<http://www.sel.sony.com/SEL/rmeg/data/>

When Sony's data storage page opens, click on the icon for [AIT 8mm data cartridges]

The next page will display. Please reference the following Sony part numbers:

- SDX-TCL Sony blank data/media tape (25 GB capacity)
- SDX1-35C Sony blank data/media tape (35 GB capacity)
- SDX-TCL AIT Cleaning Tape

### **Supplies Service**

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Your sales representative can help you submit the initial order of supplies needed for the installation. To avoid downtime, always have an adequate amount of the necessary supplies.

To order supplies call:

- 1-800-828-5881 (USA)
- 1-800-668-0199 (Canada)
- 1-800-668-0133 (French Canadian)

You will need to know your Xerox customer number, scanner model number, item description, and quantity of items required when you call.

**Table 2-4. Site Selection Checklist - Xerox DigiPath Production Software**

Activity	Responsibility (enter the name next to the *)		Date complete
	Customer	Xerox	
Review preliminary site requirements.	*	*	
• Network cable requirements (see Chapter 3)	*	*	
• Environmental Requirements	*	*	
• Space Requirements	*	*	
• Electrical requirements	*	*	
Discuss the need for suitable furniture to support the equipment. Refer to figure Figure 2-2. and Appendix A.	*	*	
• Discuss flatness of furniture required for the DocuImage 620S scanner. See Appendix A for more information.	*	*	
Discuss configuration software.	*	*	
• Xerox software.	*	*	
• Third-party software.	*	*	
Discuss software licensing.	*	*	
Discuss software upgrade.	*	*	
• Network Server must be at version 1.4x or greater.	*	*	
• Network Server PLUS must be at version 2.x; NS PLUS Server series must be at 1.2x or 4.0x	*	*	
• DocuPrint must be at software version 1.4.x or greater.	*	*	
• DocuSP must be at version 1.3x or greater.	*	*	
Discuss backup and restore recommendations.	*	*	
Discuss customer training.	*	*	
• Self-paced training program	*	*	
• Fee-based training program	*	*	
Discuss the need to complete the Customer Installation Worksheets with site-specific information.	*	*	
Discuss skills and job descriptions for personnel.	*	*	

**Table 2-4. Site Selection Checklist - Xerox DigiPath Production Software**

Activity	Responsibility (enter the name next to the *)		Date complete
	Customer	Xerox	
Identify telephone requirements for communication with the Administrator/Xerox Customer Support Center.	*	*	
Order the necessary consumables	*	*	

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## Site preparation

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The site must be prepared completely before the delivery of the DigiPath Production Software product can be scheduled.

The site preparation process includes ensuring that the following tasks are completed:

- Environmental requirements have been met.
- Space requirements have been met.
- Electrical requirements have been met.
- Cabling requirements have been met (see Chapter 3).
- Storage for documentation and software is included in plan.

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## Third party software

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Based on the configuration being installed, several third party software packages may be delivered with the hardware. Store this software, as well as the DigiPath software, near the DigiPath system, in case it is required at a later time. The following is a list of the Xerox and third party software available with the different configurations:

- Xerox:
  - DigiPath Production Software 2.0.
  - Visual Recall 4.0
- Microsoft:
  - Windows NT 4.0 Workstation and/or Server
  - Windows NT Service Pack 5
  - Internet Explorer 5.0
  - Media Player 6.4
  - Java VM 5.0
- Hummingbird NFS NT Client and Server software 6.1 - enables you to mount Unix directories on an DigiPath client PC.
- Oracle 8i for Windows - required for database activities.
- Adobe Acrobat 4.0
- ArtiFlex Ghostscript 5.5
- Computer Associates ARCserveIT 6.61 (optional)

- WFTPD Pro 2.4 (optional)
- Autologic StorageView 2.3 (optional, bundled with Harmonics I RAID)
- Enterprise Storage Manager 1.x or 2.1 (optional, bundled with 50 GB RAID or 100 GB RAID)



**Table 2-5. Site Preparation Checklist - Xerox DigiPath Production Software**

Activity	Responsibility (enter the name next to the *)		Date complete
	Customer	Xerox	
Ensure that the preliminary site requirements are met.	*	*	
Ensure that all hardware has been ordered for installation of the selected DigiPath Production Software configuration.		*	
Ensure that suitable furniture is ordered to support the equipment ordered.	*	*	
<ul style="list-style-type: none"> <li>Ensure that the flatness of the table which will support the scanner has been verified.</li> </ul>	*		
Ensure that the required Xerox and third-party software has been ordered.		*	
Ensure that the appropriate paperwork for software licensing has been submitted.		*	
Ensure that the appropriate network cabling is available and installed prior to delivery of the equipment.			
Ensure that the Customer Installation Worksheets are complete, and were reviewed with both the customer and the Xerox Service Rep responsible for the installation.	*	*	
Ensure that the customer's print server has been upgraded, if necessary.	*	*	
<ul style="list-style-type: none"> <li>Network Server must be at version 1.4x or greater.</li> </ul>	*	*	
<ul style="list-style-type: none"> <li>Network Server PLUS must be at version 2.x or greater; NS PLUS Server series must be at version 1.2x or 4.0x.</li> </ul>	*	*	
<ul style="list-style-type: none"> <li>DocuPrint must be at software version 1.4.x or 1.5.2 and higher.</li> </ul>	*	*	
<ul style="list-style-type: none"> <li>DocuSP must be at version 1.3x or greater.</li> </ul>	*	*	
Ensure that the following are completed:	*	*	
<ul style="list-style-type: none"> <li>Customer training is scheduled.</li> </ul>		*	
<ul style="list-style-type: none"> <li>Training prerequisites are met.</li> </ul>	*		
Ensure necessary consumables are ordered		*	

The site requirements have been reviewed by the Xerox Representative. The site meets the requirements specified in this guide. Site modifications required (yes / no)

The site has passed final inspection. \_\_\_\_\_

Customer signature. \_\_\_\_\_

## Installation and Delivery

This section describes the activities you and Xerox must perform during the installation and delivery of the DigiPath Production Software. Before installation can take place, all the site preparation tasks must be completed.

Xerox is responsible for the delivery and physical installation of the DigiPath hardware components and software.

The customer is responsible for providing the right personnel, ensuring that the site is accessible and that the necessary network information is available.

The customer should perform the following:

- Ensure that there is unobstructed access to the installation site so that all the hardware components can be delivered.
- During the installation, ensure that the Customer Installation Worksheets are available and all the information is correct.
- During the installation, ensure that the network administrator is available while the software is loaded.
- Have test jobs ready to run.
- Have your operators available for training.

**Table 2-6. Delivery / Installation Checklist - Xerox DigiPath Production Software**

Activity	Responsibility (enter the name next to the *)		Date complete
	Customer	Xerox	
Schedule the delivery of the equipment.		*	
Ensure that the Network Server, NS PLUS, DocuPrint, or DocuSP software is upgraded, if applicable.	*	*	
Complete the DigiPath Production Software installation.	*	*	
• Hardware		*	
• Software		*	
• Cabling		*	
• Initial backup		*	
Ensure that the software licenses are secured.	*	*	
Complete the customer training.	*		
Review preventative maintenance schedules	*	*	



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## 3. Cabling

When installing the Xerox DigiPath Production Software product, the selected configuration can consist of multiple platforms that must be connected to the customer's network.

This chapter provides the network cabling requirements for the installation of various DigiPath configurations.

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### Network cabling information

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The following information is defined in this chapter:

- DigiPath Production Software cabling kits
- Network environment cabling diagrams

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### Safety approvals

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It is the customer's responsibility to ensure that the cabling routed under the floors or over the ceilings complies with the necessary local code requirements.

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## DigiPath Production Software network cabling kit

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There is one cabling kit which supports the DigiPath capability and the standard network connections. The DigiPath cabling kit is defined below:

- Twisted Pair Connection for Compaq PC Kit (98K27520)



*NOTE: Thick-Net connections to any PCs requiring them should be made through a Data Concentrator and Twisted Pair cable.*

Table Table 3–1. shows the part description, part number, and the quantity of each part in the twisted pair connection kit. The length of the cable in this kit is also given.

**Table 3–1. Twisted Pair Connection for Compaq PC - Kit Number 98K27520**

Part description	Part number	Quantity within kit
Twisted Pair Cable	117P24938	1 (25 feet, 7.6 meters)
Installation Instructions	602E01160	1



*NOTE: The twisted pair connection kit is also used for the thick-net connection for the Compaq PC platform.*

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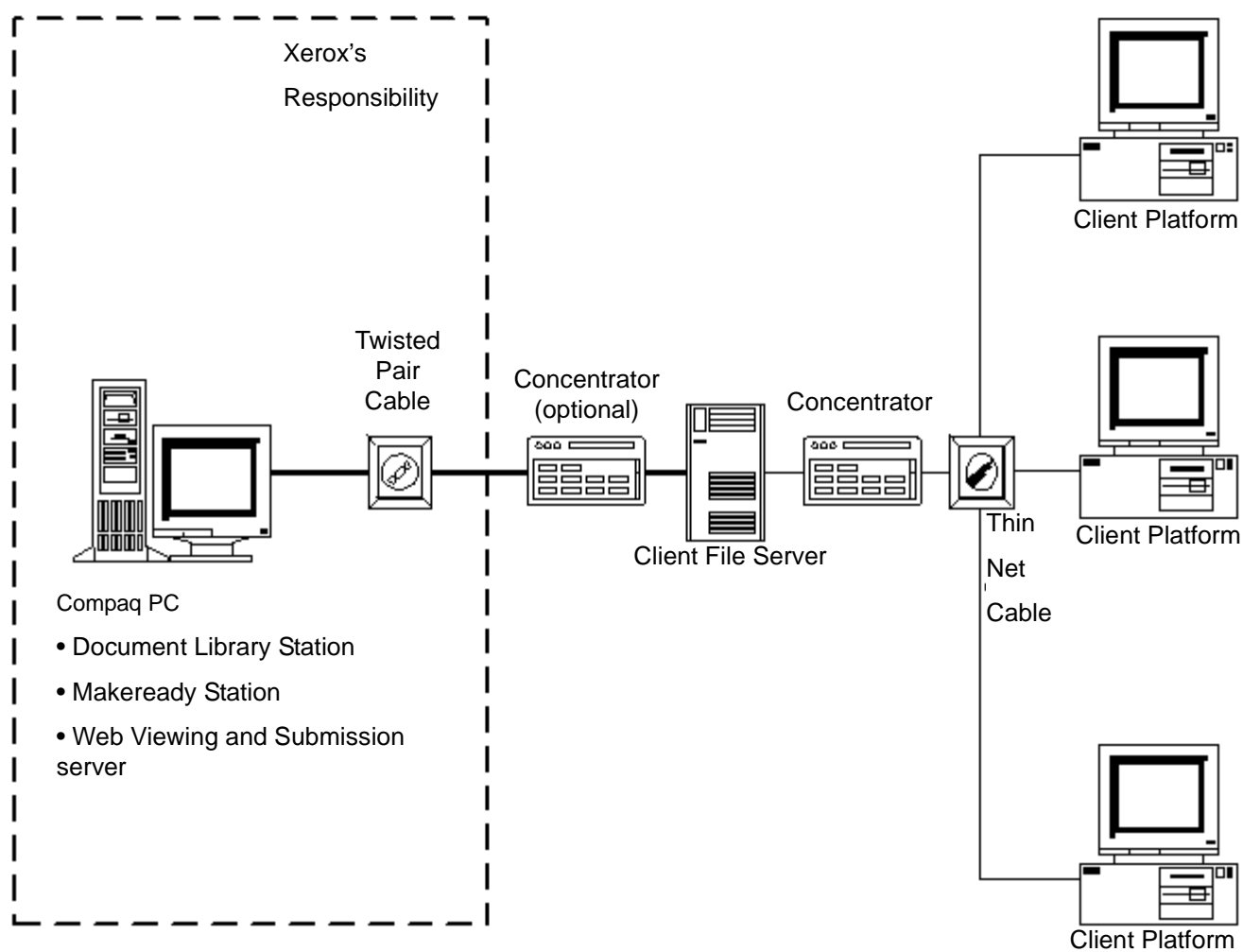
### Network connection diagrams

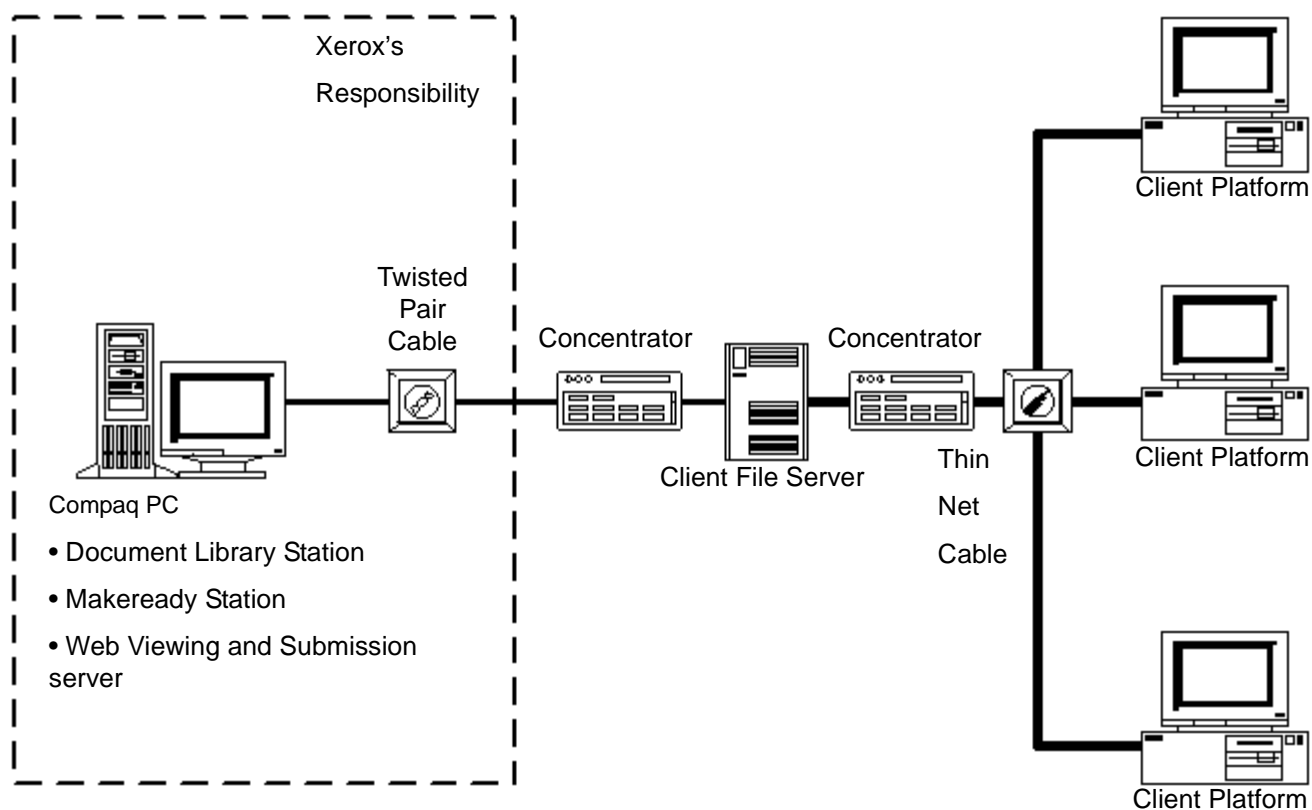
---

The network connection diagrams define the cabling connections recommended by Xerox to support the DigiPath system. Xerox is responsible for all connections that appear inside the dotted line, and the customer is responsible for all connections outside this line.



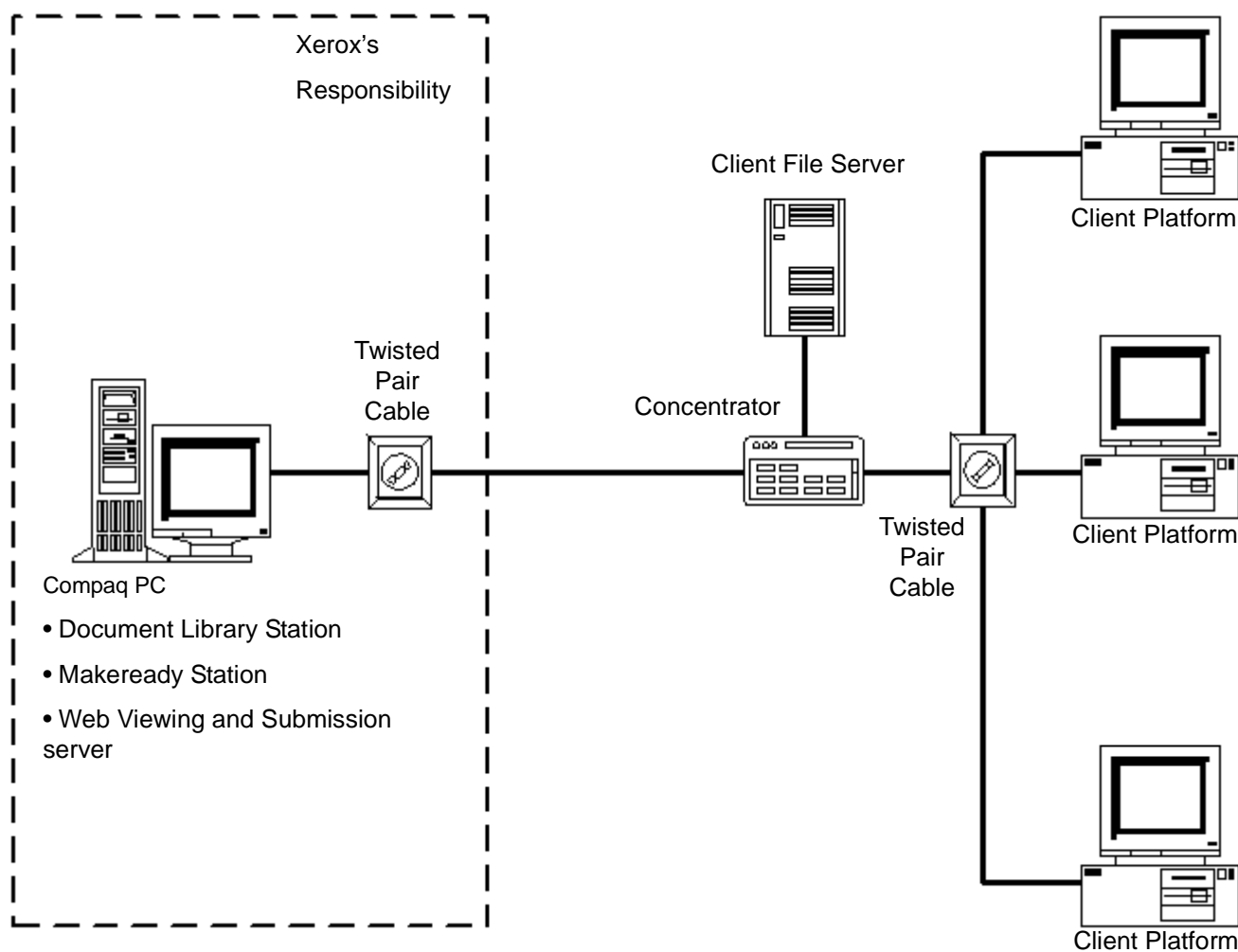
*NOTE: The Xerox Service Representative is not permitted to work on the backbone of a customer's network. Installation of this equipment is required prior to the Xerox Service Representative sign-off on the Site Preparation Checklist. For any common thick-net connections, the customer must install the tap block, the transceiver, and the drop cable. The installed drop cable must terminate with a plug or a transceiver.*

**Figure 3–1. Thin-net connection diagram**

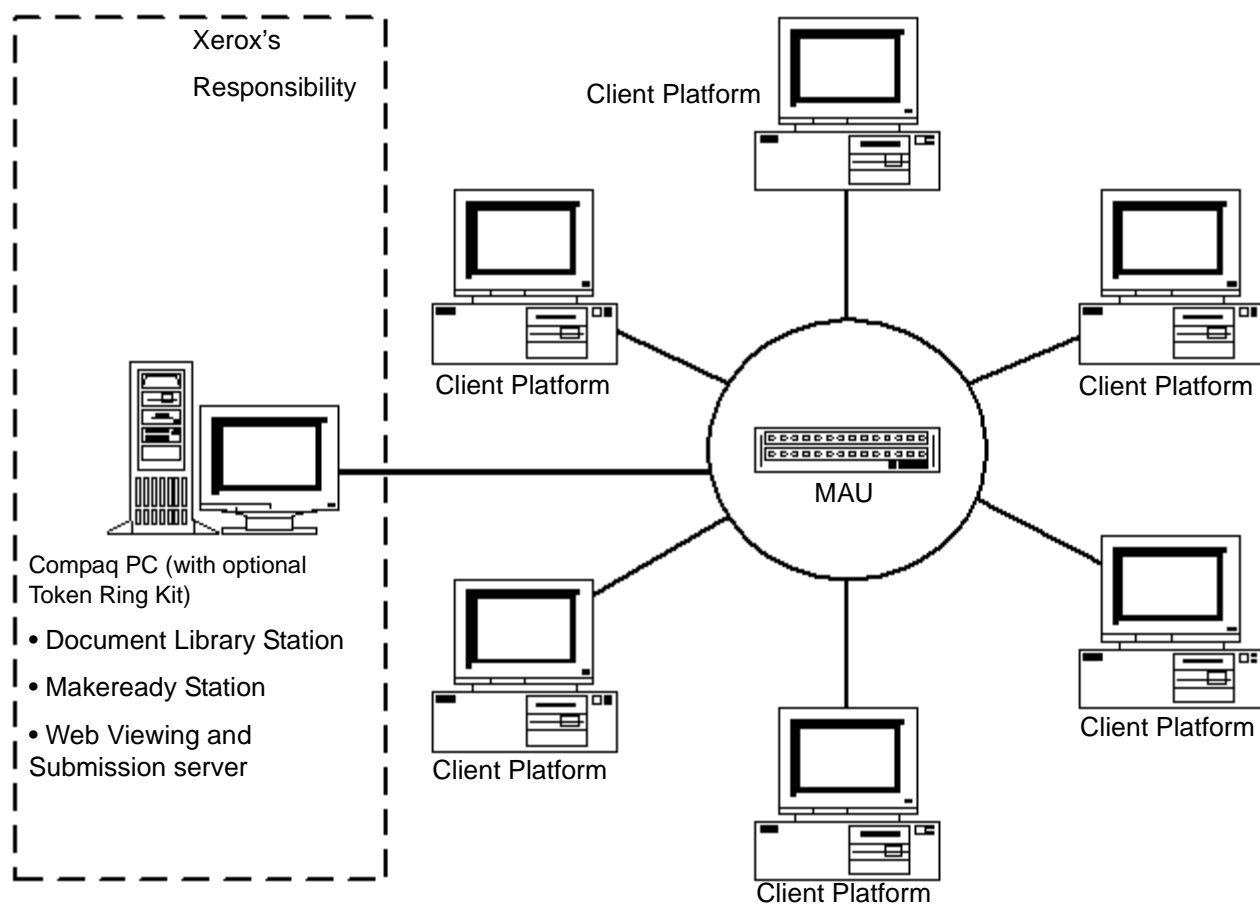


**Figure 3–2. Thick-net connection diagram.**





**Figure 3–3. Twisted Pair connection diagram.**



**Figure 3–4. Optional Token Ring connection diagram**

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## 4. Optional equipment

This chapter lists the optional hardware and software components that can be added to an Xerox DigiPath Production Software (DigiPath) system.

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### Overview

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Your DigiPath system may include optional hardware or software components. This chapter identifies the optional components for DigiPath, and the purpose, part numbers, and prerequisites for each component.

Table 4-1 identifies the optional hardware components that can be installed with DigiPath. A description of the purpose of each optional hardware component follows the table.

## Optional hardware components

Table 4-1 shows the optional hardware components, including the part number, and prerequisites, for DigiPath.

**Table 4–1. Optional hardware components**

Component	Part number	Prerequisites
Draft printer	Contact your Xerox representative for a list of supported draft printers for DigiPath.	
Manual Platen Cover option kit	98K34010	DocuImage 620S Scanner only
Scanner Footswitch Kit	98K53360	DocuImage 620S or DigiPath Scanner
Red Drop-Out Filter	98K53870	DocuImage 620S Scanner only
Sony 5.25" 5.2 GB Magneto-Optical Disk Drive, Model RMO-S551	97K16974	MOD enablement kit installed. Includes SCSI cable.
DEC RAID Array 3000	97S02270	Compaq 6300 or AP500 PC
Sony AIT TSL-SA300C/BM 100/140 GB Tape Drive	98S04282	DEC RAID Array 3000 and/or Autologic Harmonics I RAID
Token Ring Support Kit	98K43980	None
Makeready Table	98K59111	None
WS 6000 Platform Upgrade Kit for Web Viewing and Submission	98K62550	Compaq Professional Workstation 6000, Model 6300
WS AP 500/550 Platform Upgrade Kit for Web Viewing and Submission	97S02457	Compaq Professional Workstation AP500/550
Storage Dimensions 8 mm Tape Drive	98K27531	None
Autologic Harmonics I RAID	97S02454	Compaq 6300 or AP500 PC
Uninterruptible Power Supply <ul style="list-style-type: none"> <li>UPS</li> <li>Back UPS Pro</li> </ul>	117K32720 76K03120	DEC RAID Array 3000 Autologic Harmonics I RAID

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## Optional Hardware descriptions

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### Scanner Footswitch Kit

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The scanner Footswitch provides the ability to scan documents using a footswitch rather than the Scan/Next button in Scan Tool, or the Start button on the scanner. The Footswitch will work with both the DocuImage 620S and the DigiPath Production Scanner.

### Draft Printer

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The optional draft printer provides the ability to print drafts and job proofs at your DigiPath workstation.

### Manual Platen Cover Kit (DocuImage 620S only)

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The optional Manual Platen Cover Kit allows you to replace the ADH with a manual cover so that you have the ability to scan fragile or bound documents.

### Red Drop-Out Filter (DocuImage 620S only)

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The Red Drop-Out Filter enables you to block red printing and backgrounds when scanning documents. If you have ordered your DocuImage 620S with the optional Red Drop Out Filter option and it has not already been installed, you should call your Xerox representative for installation. You may, however, begin using the scanner immediately.

### Sony 5.25" 5.2 GB optical disk drive

---

The optional Sony Magneto-Optical Drive (MOD) provides the capability to use magneto-optical media for storage of DigiPath documents. DigiPath can support up to two (2) MOD devices.

### Redundant Array of Independent Disks (RAID)

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The Digital Equipment Corporation Storage Works RAID Array 3000 is an optional RAID for the DigiPath configuration. The RAID Array 3000 provides 100 GB of storage.

Another optional RAID for use with DigiPath is the Autologic Harmonics I RAID device. The Harmonics I RAID provides 157 GB of storage.



*NOTE: An Uninterruptible Power Supply is required equipment when using the RAID devices with DigiPath.*

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### **Sony AIT TSL-SA300C/BM 100 GB Tape Drive**

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DigiPath supports the Sony AIT TSL-SA300C/BM Auto-loading Tape Drive. The AIT tape drive uses a magazine of four tapes, which it automatically rotates, to store up to 100 GB of uncompressed data (or 200 GB at 2:1 compression).

For backing up the larger Autologic RAID, 35 GB tapes are available to back up a total of 140 GB of uncompressed data.

While this backup drive is optional, it is strongly recommended that you purchase this drive if there is a RAID device in your DigiPath configuration. Data backups are critical to maintaining system integrity.



*NOTE: For specific instructions on performing a backup of a RAID, please refer to the DigiPath System Administrator Guide.*

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### **Token Ring Support**

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The DigiPath system supports Token Ring networks through the installation of the IBM PCI Token Ring Adapter. This adapter card detects the existing Token Ring network and adapts to the speed of the network. The Token Ring's operation is transparent to the end user.



*NOTE: Token Ring can be installed on the same workstation as a RAID device. Please contact your Xerox representative for configuration assistance if you require this functionality.*

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### **Makeready Table**

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The optional Makeready Table can accommodate the base DigiPath hardware and the following options:

- One (1) optional RAID device
- One (1) optional Magneto-Optical Drive (MOD)



*NOTE: If the customer does not opt to use the Makeready Table, the furniture on which the DigiPath system is placed must be able to bear at least 3 times the weight of the system.*

### **Web Viewing and Submission PC Upgrade**

---

The Web Viewing and Submission PC upgrade is required to operate the PC workstation as a Web Viewing and Submission server. The PC upgrade consists of a second 550Mhz Pentium III CPU, and an additional 256 MB of RAM.

Web Viewing and Submission servers add web publishing and web browser search to your publishing workflow.

### **High Density 8 mm Tape Drive**

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The High Density 8 mm Tape Drive is a offline storage medium for storing DocuJobs that were created on a DocuTech 90/135 Publisher. The tape drive can be used in conjunction with the DocuTech Tape Tool to manage these DocuJobs.



*NOTE: To print DocuJobs from a DES (DocuTech Extended Storage) or DTOFS tape requires that the DocuJobs first be submitted to a Xerox DocuJob Converter.*





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## Appendix A. Furniture surface requirements

This appendix describes the furniture requirements for the table which will support the Doculmage 620S scanner.

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### Furniture surface requirements

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The Doculmage 620S requires a surface that is flat to 0.12 inch (3 mm) over the width of the scanner. The scanner is 31 inches (788 mm) in length.



*NOTE: The DigiPath Scanner does not carry a requirement that the table surface be absolutely flat and level, but the surface on which it rests should nevertheless be as flat as possible.*



#### CAUTION

*Do not place the Doculmage 620S on furniture that is not capable of supporting a combined load of 77 pounds (35 kg) for an extended period. If the PC client will be on the same surface, the furniture must be able to support the weight of the PC as well.*

Use the following procedure, and Figure A-1 to help you determine if the desired surface for the Doculmage 620S is within specifications.

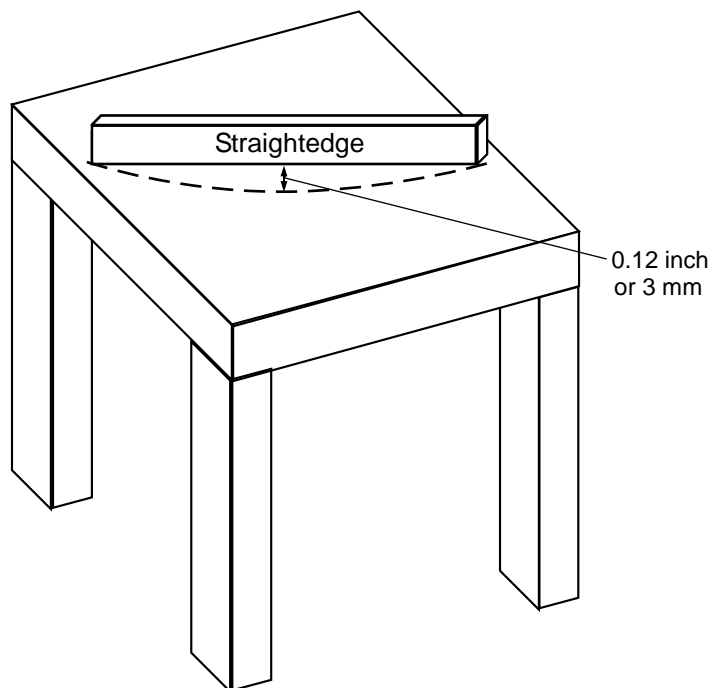


1. With the customer, locate any straight edge item that is 36 inches (914 mm) in length (e.g., yardstick).
2. Using the long edge of the item as a straight edge, place the item diagonally on the surface where the scanner will be located.
3. Check that there is less than 0.12 inch (3mm) between the straight edge and the surface. The surface is acceptable if the gap is less then 0.12 inch or 3 mm.

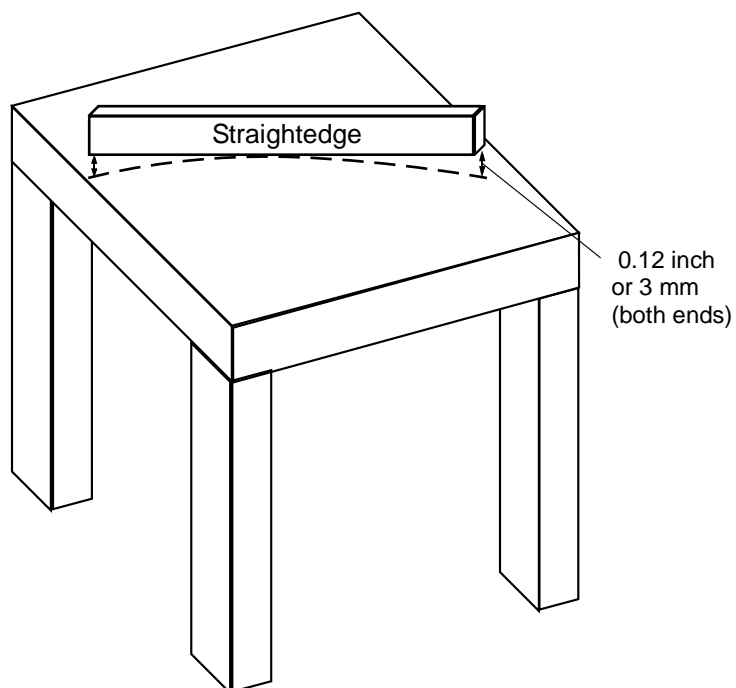


**NOTE:** Failure to meet these requirements may cause misfeeds and excessive skew, as well as other operational problems with the scanner.

If the surface is bowed downward, measure the surface in the middle of the straightedge.



If the surface is bowed upward, measure the space at the ends of the straightedge.



**Figure A-1. Checking furniture surface specifications**



