

SOFTWARE MARKETING ASSOCIATES, INC.

The PRO-MAIL[®] System

Version 4

Hardware & Software

Guidelines

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THE PRO-MAIL® SYSTEM

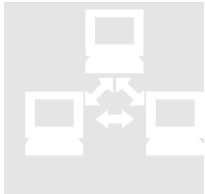
Version 4 Hardware & Software Guidelines

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Version 4 Hardware & Software



Introduction

These guidelines provide an overview of software and hardware requirements and recommendations for running The PRO-MAIL[®] System.

In order to address the business requirements of the entire PRO-MAIL[®] System user community (which includes large, small and in-between business environments), these guidelines provide: minimum requirements needed to run The PRO-MAIL[®] System; and recommended products; and optional add-ons providing additional features.



Hardware

Server (System Guidelines)

If you currently have a Windows 2000 Server

Unidata, the database manager The PRO-MAIL[®] System runs on top of , does not require a large amount of resources. Therefore, if you currently have a Windows 2000 server, Unidata should be able to be installed on it successfully. This server should be dedicated to the PRO-MAIL[®] System.

The minimum suggested requirements for a Window 2000 Server:

- 600 Mhz Processor or better
- 8 GB disk space
- 256 MB of RAM

Recommendations for a new Windows 2000 Server

If you are planning to buy a new Windows 2000 Server for the PRO-MAIL[®] System, the following list of three choices, in order of expense (least expensive to most expensive), provide recommendations for three different price ranges. The price range starts at approximately \$2100 for a good basic system to approximately \$5500 for a powerful system.

All three recommendations cited here are products from the Dell Corporation. Additional information for these and other Dell products can be found on the Dell web site (www.dell.com). This server should be dedicated to the PRO-MAIL[®] System.

Sample #1: Dell PowerEdge 1500 SC w/ Windows 2000 Server

Approximately \$2,100 (as of 7/12/2002)

- 1.26 Ghz Processor
- 256 MB of RAM
- 36 GB SCSI Disk Drive
- 48 x CD-ROM
- Network Card
- 15 in. Monitor, Mouse, and Keyboard

Sample #2: Dell PowerEdge 2500 w/ Windows 2000 Server

Approximately \$3,200 (as of 7/12/2002)

- 1.4 Ghz Processor
- 256 MB of RAM
- 2 x 36 GB SCSI Disk Drives
- 24 x CD-ROM
- Network Card
- 15 in. Monitor, Mouse, and Keyboard

Sample #3: Dell PowerEdge 2500 w/ Windows 2000 Server

Approximately \$5,500 (as of 7/12/2002)

- 1.4 Ghz Processor
- 512 MB of RAM
- 3 x 36 GB SCSI Disk Drives
- RAID 5
- 24 x CD-ROM
- Network Card
- Tape Backup Drive
- Veritas Tape Backup Software
- 15 in. Monitor, Mouse, and Keyboard

Client PC (System Recommendation)

Recommendations for a new Windows Client PC

Sample #1: Dell SMARTSTEP 150D w/ Windows XP

Approximately \$500 (as of 7/12/2002)

- 1.26 Ghz Processor
- 128 MB of RAM
- 20 GB IDE Disk Drive
- 48 x CD-ROM
- Network Card
- 15 in. Monitor, Mouse, and Keyboard



Network Hardware Guidelines

Non-Upgradeable

Small Network (Less than 24 network connections)

- 10BASE T/Ethernet cards

Upgradeable

Small Network (Less than 24 network connections)

- 10BASE T Ethernet hub
- 10BASE T Ethernet cards

Medium Network (25-48 network connections)

- 10BASE T Ethernet switch
- 10BASE T Ethernet cards

Large Network (Greater than 48 connections)

- 100BASE T Ethernet switch
- 100BASE T Ethernet cards

Cabling Requirements for Upgradeable Networks

- Unshielded wire
- 8 wire twisted pair
- 24 awg
- Category 5 rating



Software

Server Software Recommendations

- Windows 2000 Server
 - Service Pack 2 or higher
 - TCP/IP Server Protocol
 - Unidata 3.6.5

Client Software Recommendations

- Windows 98/2000 Professional/XP
 - TCP/IP Network Protocol



Communications

PC Clients/Communication

Communication between the NT server and Client PC's requires TCP/IP Network Protocol.

The employees in your organization that will be accessing the PRO-MAIL[®] System on the Windows 2000 server need to have a network terminal emulation package on their computer. This program will establish a connection between the user's computer and the Windows 2000 server.

Suggested Network Terminal Emulation Packages

Netterm

Netterm is a shareware program that can be downloaded from the Internet at <http://starbase.neosoft.com/~zkr01/netterm.html>. We suggest that the emulation be set to VT220 when accessing the PRO-MAIL[®] System. With the VT220 setting Netterm will support slave printing.



Printers

Recommended Printers:

- **HP Lasers** (Version 4 or better)
For printing pick slips, postage forms, reports and general all-purpose form documents, Skid Tickets

Printers can be attached to the server either of the following ways:

- Connect printer directly to one of the serial or parallel ports on the NT server.
- Connect printer to a print server. This allows the users to be connected to the network which removes the need for separate serial cables.
- Connect printer to a networked PC. This allows for the sharing of a printer on the network.



Back-Up/Tape Devices

The System Administrator must devise a plan for backing up the PRO-MAIL® System. Back-ups must be done a regular basis to insure that in the event of hardware failure, data is available to be restored. Contact your local vendor or IT Person for more information.