

Preface

Section 1 of this manual goes into some technical detail in describing the System 6300 including the System 6300 processing unit and the TM6000 workstation.

Section 2 provides a step-by-step procedure for installing the System 6300 including unpacking, site selection, installation, and procedures for initial power-up of the system.

No special technical knowledge is necessary to install and power up your system. If you have problems with the definition of words, use the glossary at the back of the manual.

If you have acquired one or more of the peripheral options available with your system, such as a printer, refer to the individual peripheral's Installation and User's Guide for instructions on how to install and hook up these peripheral units to your system.

Section 3 starts the user's guide portion of this manual. The user's guide is intended as a reference for daily operation of your system. Included in the user's guide is Section 3, which identifies all controls, switches, and indicators of your system, and Section 4, which shows you how to maintain and care for your system.

Appendix A of this manual has the specifications for both the processing unit and the TM6000 workstation. Appendix B identifies all the connectors for the processing unit and the TM6000 workstation for quick reference.

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Section 1

Introduction

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Congratulations, you have just received your System 6300 computer system. The System 6300 is simple to install, simple to get started, and easy to operate.

To get your System 6300 computer system started and ready to operate, you must do the following:

- Get acquainted with the system by reading this introduction to the System 6300.
- Pick an appropriate site for your computer system.
- Unpack the processing unit, the TM6000 workstation, the cables, and memory expansion boards if you have acquired any.
- Install and plug your system into a source of electric power.
- Do the initial power-up of your system.
- Load your software and bring up your system according to the instructions in your *System 6300 Software Installation Guide*.

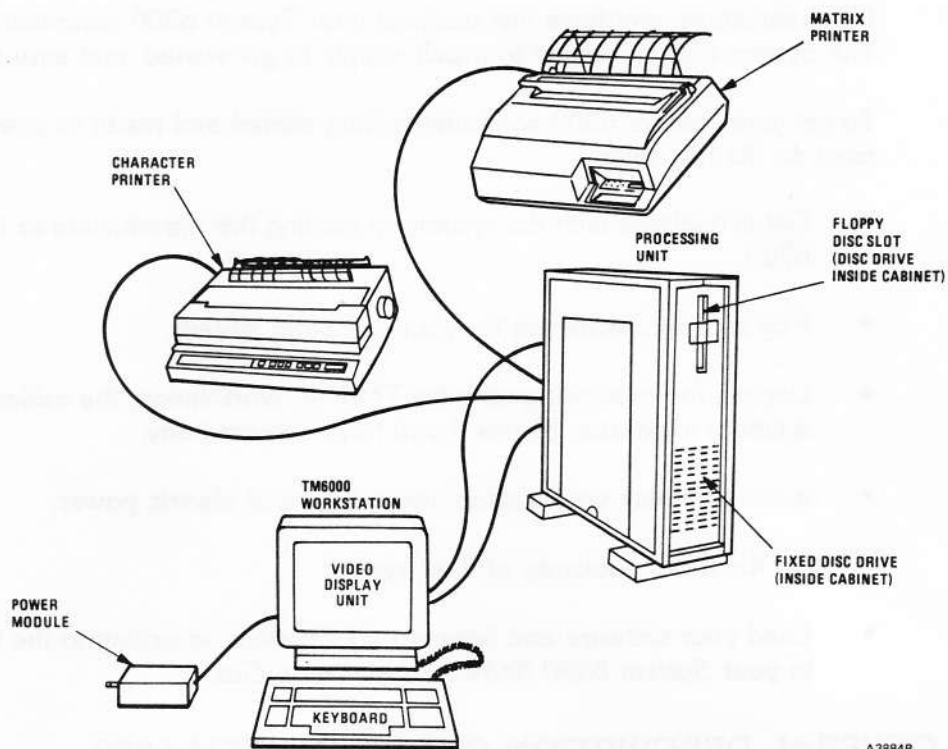
GENERAL DESCRIPTION OF THE SYSTEM 6300

The basic System 6300 is composed of the processing unit, which has a fixed and a floppy disc drive to store information; a TM6000 workstation, which includes a video display unit, a keyboard, and a power module; the various peripheral options, like printers; and the cabling necessary to connect the processing unit, the TM6000 workstation, and the peripherals together.

Figure 1-1. shows the processing unit hooked up to one TM6000 workstation, one matrix printer, and one character printer. For information on installation, operation, and maintenance of the peripheral or peripherals you acquired with your System 6300, look at each peripheral's Installation and User's Guide.

THE SYSTEM 6300 PROCESSING UNIT DESCRIPTION

The System 6300 processing unit uses the powerful MC68010 microprocessor. The standard system comes with 1 megabyte of memory that you can expand to 2 megabytes of memory (enough memory for 2 million typed characters), and can support up to eight terminal workstations.



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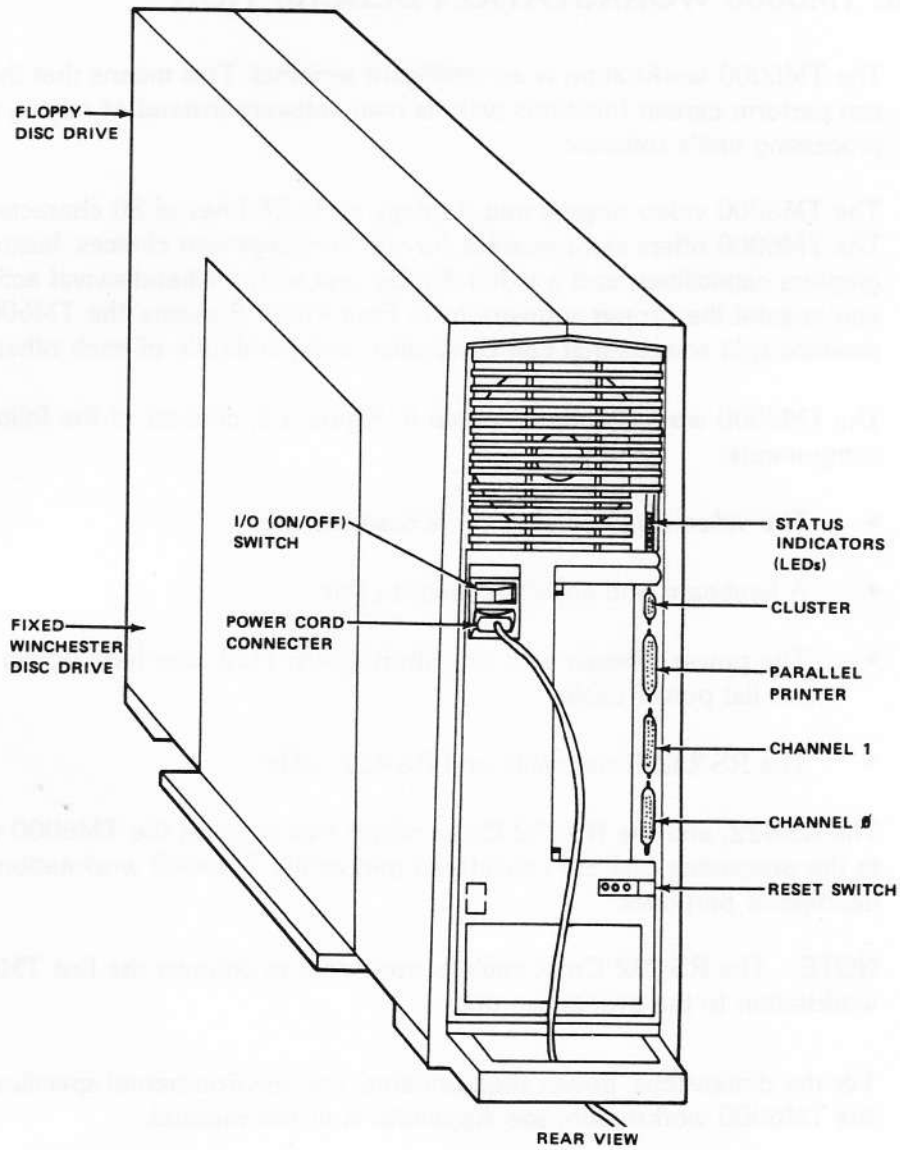
Figure 1-1. System 6300 and Printers

As mentioned previously, the processing unit has both a fixed disc drive and a floppy disc drive to store programs and data information. The floppy disc drive allows you to enter or remove programs or data from the processing unit by entering and removing floppy diskettes.

The System 6300 processing unit has the following connectors on the rear of the processing unit: the cluster connector to connect terminals; the parallel printer connector to connect parallel printers; channel 1 to connect printers, terminals, or communication devices; and channel 0 to connect the first terminal to your processing unit with an RS-232 Cross cable.

The rear of the processing unit also has status indicators that indicate the status of the processing unit as it goes through its different functions; and it has the RESET switch that restarts the processing unit if it has been shut down.

Figure 1-2 points out the system's disc drives, connectors, status indicators, and the RESET switch:



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Figure 1-2. The System 630 Disc Drives, Connectors, Status Indicators, and the RESET Switch

For the dimensions, power requirements, and environmental specifications of the System 6300 processing unit, see Appendix A in this manual.

THE TM6000 WORKSTATION DESCRIPTION

The TM6000 workstation is an intelligent terminal. This means that the TM6000 can perform certain functions with its own software instead of relying on the processing unit's software.

The TM6000 video display unit displays up to 26 lines of 80 characters per line. The TM6000 offers eight possible foreign language font choices, business graphics capabilities, and a video display unit with a tilt-and-swivel action. Also, if you acquire the proper software from Four-Phase Systems, the TM6000 can produce split screens that can be scrolled independently of each other.

The TM6000 workstation, as shown in Figure 1-3, consists of the following components:

- The video display unit with its base assembly
- A keyboard and coiled keyboard cable
- The power module with one short power cord, one long power cord, and one flat power cable
- The RS-232 Cross cable and RS-422 cable

The RS-422, and the RS-232 Cross cables that connect the TM6000 workstation to the processing unit are considered part of the TM6000 workstation for our description purposes.

NOTE: The RS-232 Cross cable is used only to connect the first TM6000 workstation to the processing unit.

For the dimensions, power requirements, and environmental specifications for the TM6000 workstation, see Appendix A in this manual.

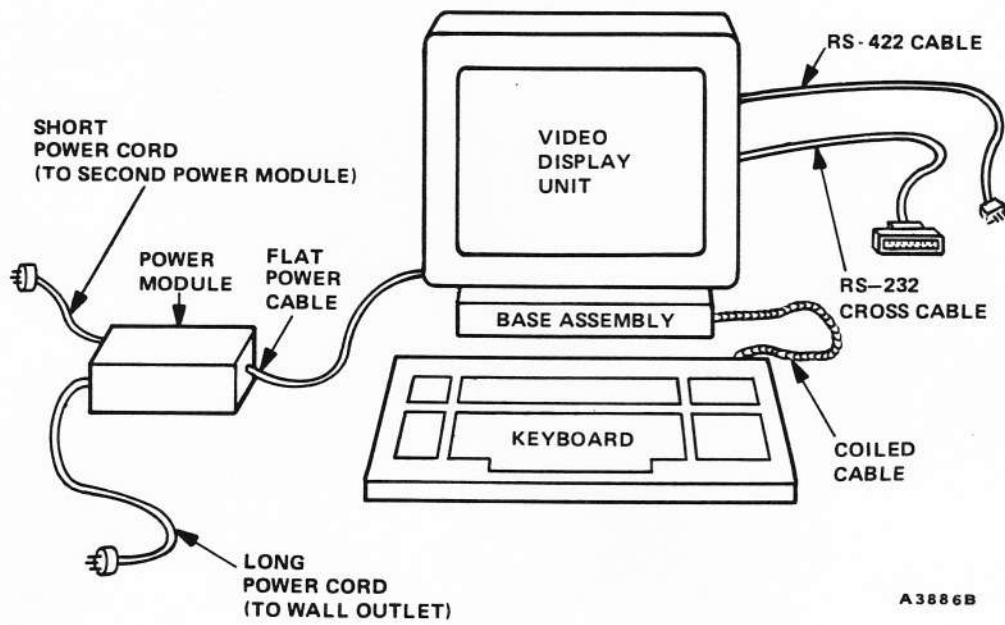


Figure 1-3. TM6000 Workstation Components and Cables