2200
ERGO 2 WORKSTATION

PRODUCT DATA SHEET

INTRODUCTION

The Wang 2200 Ergo 2 Workstation is an interactive workstation, ergonomically designed for maximum user comfort in the office environment.

The workstation consists of an adjustable cathode ray tube (CRT) display, connected by a 5-foot (1.52-meter) cable to a light-weight, low-profile, movable keyboard. The enclosures of the CRT and keyboard feature a glare-resistant matte finish. Users can easily adjust the angle of the CRT display to conform to their natural line of vision and most comfortable working posture. Users can also tailor the intensity of the CRT display to their needs by using the brightness and contrast controls.
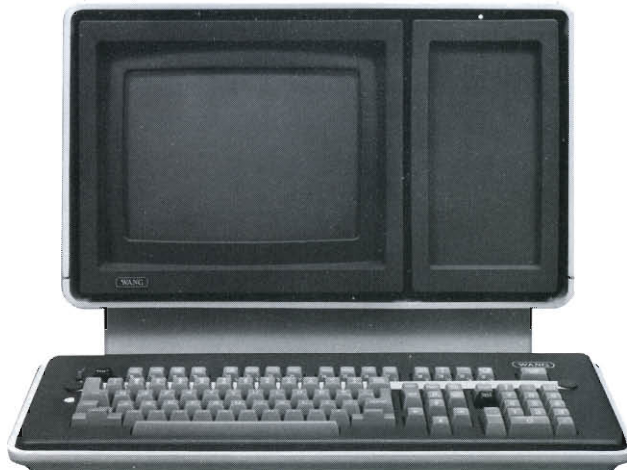
MODELS

The 2200 Ergo 2 Workstation is available in four models: 2876DE, 2886DE, 2876DW, and 2886DW. All Ergo 2 workstations are compatible with earlier 2200 Series Interactive Terminals.

Data processing Models 2876DE and 2886DE furnish the programmer with the tools to create highlighted displays, to utilize special graphic characters, and to draw boxes at any screen location. Other special features of the workstation include self-test diagnostics, repeating keys, an interface for a terminal printer, and the ability to print the CRT display to an attached printer. Model 2876DE offers the expanded keyboard that provides eight additional foreign language symbols.

- **Ergonomic Design**
- **Detached Keyboard**
- **Box and Character Graphic Capabilities**
- **Integrated Data Processing and Word Processing Functions**
- **Interface to a Terminal Printer for Local Print Output and Screen Dumps**

WANG

Model 2876DW Keyboard

Models 2876DW and 2886DW offer both data processing and word processing capabilties. These models support the optional 2200 Word Processing Software System that adds word processing capabilities compatible with those of other Wang products such as the Word Processing System, the Office Information System, and the VS Integrated Information System. The 2200 Word Processing Software System offers features that include operator prompts and automatic word wraparounds. Other operational features are automatic indexing for superscripts and subscripts; automatic centering, indenting, and decimal alignment; global search and replace; text movement; text copy; and right margin justification.

The outstanding editing capabilities of Models 2876DW and 2886DW include the insertion and deletion of characters, words, lines, paragraphs, or entire sections of text. Glossary, another special feature, allows the operator to record commonly used words, phrases, or standard paragraphs for easy recall and display. Model 2876DW features the expanded keyboard, with eight additional foreign language symbols.

KEYBOARD

The keyboard of the 2200 Ergo 2 Workstation consists of a typewriter keyboard, seven program control keys, a numeric keypad, and 16 Special Function keys that can be programmed to perform up to 32 user-defined functions. All keyboards have non-glare keycaps and models 2876DE and 2876DW feature the expanded keyboard with eight additional foreign language symbols. Users can set the keyboard to produce uppercase and lowercase letters for both data processing and word processing applications, or uppercase letters only. All typewriter keys are repeatable.

The DW models, which have combined data processing/word processing capabilities, feature a group of cursor control and editing keys for word processing, data entry, and editing operations. When used with the 2200 Word Processing Software System, the Word Processing Function keys simplify document creation and revision.

CRT DISPLAY

The CRT display has a 24-line capacity with 80 characters per line (1,920 character positions); it displays a full 128-character set, including uppercase and lowercase keyboard characters, some foreign language characters, special symbols, and underlined characters. The CRT also supports an alternate character set of graphic characters and box graphics.

The workstation defines a character display attribute for each position on the CRT display. By using the character display attributes, the programmer can specify bright, blinking, underlined, or reverse video (dark characters on a light field) for any character or string of characters. Bar graphs, histograms, and other special displays are easily constructed on the CRT display by combining character graphics with character display attributes.

TERMINAL/CPU INTERFACE

When the Ergo 2 Workstation is configured with the 2200MVP, 2200LVP, or 2200VP Central Processing Unit (CPU), a peripheral controller, such as the 2236MXD Terminal Processor or the 22C32 Triple Controller, must be used for handling input/output operations and data buffering. The 2200SVP CPU does not require a special controller, since the workstation plugs directly into the terminal connector on the back of the 2200SVP CPU.

The Model 2236MXD Terminal Processor is an intelligent peripheral controller for the 2200MVP and 2200LVP CPUs. One 2236MXD Terminal Processor supports four workstations. By using a maximum of three Model 2236MXD Terminal Processors, 12 workstations can run concurrently when supported by a single 2200MVP or 2200LVP CPU.

The Model 22C32 Triple Controller is compatible with the 2200VP, 2200MVP, and 2200LVP CPUs, and can support a single workstation.

The Ergo 2 workstation can be attached locally to the 2200MVP or 2200LVP CPU at distances of up to 2,000 feet (606.1 meters), or remotely via modems and telephone lines. However, workstations connected to a 2200SVP or 2200VP CPU must be attached locally, at a maximum distance of 50 feet (15.2-meters) and 2,000 feet (606.1 meters) respectively. Communication between the terminal and the CPU is asynchronous and full-duplex, with selectable line speeds ranging from 300 to 19,200 bits per second. To accelerate communications between the terminals and the CPU, the system performs automatic data compression on information transmitted to each terminal.

Refer to the Table of 2200 Ergo 2 Workstation Features for a synopsis of the major characteristics associated with each model.

Table of 2200 Ergo 2 Workstation Features

Model	System Supported	Word Processing	Data Processing	Keyboard
2876DE	VP,SVP,MVP,LVP	No	Yes	Expanded
2886DE	VP,SVP,MVP,LVP	No	Yes	Standard
2876DW	VP,SVP,MVP,LVP	Yes	Yes	Expanded
2886DW	VP,SVP,MVP,LVP	Yes	Yes	Standard

ERGO 2 WORKSTATION SPECIFICATIONS
2876DE, 2876DW, 2886DE, and 2886DW

Display Unit

Height	15.9 in. (40.4 cm)
Depth	16.4 in. (41.7 cm)
Width	20.0 in. (50.8 cm)
Weight	49.0 lb (22.1 kg)

Keyboard

Height	
Front	1.2 in. (3.0 cm)
Back	2.6 in. (6.6 cm)
Depth	9.0 in. (22.9 cm)
Width	20.7 in. (52.6 cm)
Weight	6.0 lb (2.7 kg)

Power Requirements

115 or 230 VAC ± 10%
50 or 60 Hz ± 1.0 Hz
50 Watts

Fuses

2 amps (SB) @ 115 V/60 Hz
1 amp (SB) @ 230 V/50 Hz

Operating Environment

Temperature
50° to 90° F (10° to 32° C)
Relative Humidity (noncondensing)
35% to 65% (recommended)
20% to 80% (allowable)

Transmission Rate

Manually selectable for each terminal at 300, 600, 1200, 2400, 4800, 9600, or 19,200 baud

Character Format

1 start bit, 8 data bits, 1 odd parity bit, 1 stop bit

Cabling

One 5-foot (1.53m) cord connects the workstation to the keyboard. One 8-foot (2.4-m) cable connects the workstation to the power source. One 25-foot (7.6-m) direct connection cable is provided with each Ergo 2 Workstation, unless an optional direct connection cable is ordered for a workstation. Nonextendable cables are available optionally in 100-foot (30.3-m) increments for direct connection up to 1,000 feet (303.0 m). Additional direct connection cables are available in lengths of 1,250 feet (378.8 m), 1,500 feet (454.5 m), 1,750 feet (530.3 m) and 2,000 feet (606.1 m). Modem cables are available optionally in lengths of 12 feet (3.7 m), with extensions of 25 feet (7.6 m) and 50 feet (15.2 m). Maximum combined cable distance from Wang equipment to a modem is 50 feet (15.2 m), according to EIA standards.

ORDERING SPECIFICATIONS

An electronically controlled, visual office information workstation with separate keyboard and adjustable CRT display. The movable keyboard, connected to the display unit by a 5-foot (1.52-meter) cable, must contain all standard typewriter keys, as well as special function, format, and cursor control keys. The 80-character by 24-line screen must display easy-to-read characters in an adjustable chassis to satisfy individual positioning requirements.

Standard Warranty Applies