

**LOW COST, POWERFUL, INDEPENDENT PROCESSING
AND COMPACTNESS CHARACTERIZE THE 2200 WORK STATION.**

The Wang 2200 Work Station provides a simple, powerful approach to multi-user applications. Each Work Station offers a completely independent processing capability with a fully compatible 2200 BASIC language set. Up to three 2200 Work Stations can be multiplexed to any Wang 2200 (or WCS 30) configured with a fixed/removable disk and disk multiplexing option. Each Work Station can be assigned different processing tasks, and perform these tasks concurrently while sharing a common disk data base. Simplicity of operation, modularity of design, and true multi-processing power highlight Wang's unique Work Station concept.

The standard Work Station consists of its own interactive 8,192K byte Random Access Memory (RAM), a separate 42.5K byte BASIC Interpreter on Read Only Memory (ROM), an Upper/Lowercase Alphanumeric/BASIC Keyword Keyboard, an easy-to-read 12-inch Cathode Ray Tube (CRT) display, and a disk multiplexer connector -- all contained in one desktop unit.

A number of options and peripherals also are available to meet your particular processing needs. These add-ons include memory expansion to 32,768 bytes in 8,192 byte increments; hardcopy output capabilities with the Model 2231W Printer (120 char/sec) and the Model 2221W Printer (200 char/sec); plotting capability with the Model 2272-1, -2 Digital Drum Plotter; greater program and data display facility with Option 66 -- 24 by 80 CRT; and additional display, data entry, and processing control capabilities with Option 60-Auxiliary Display Connector, Keyboard Clicker, and Audio Alarm.

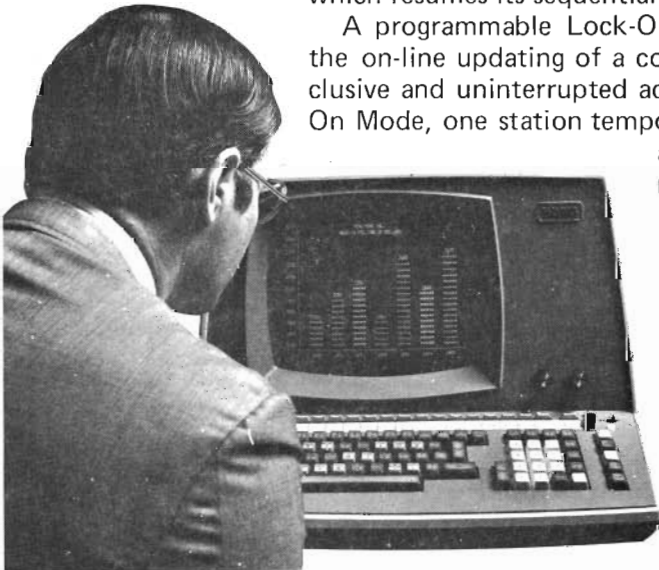
DISK MULTIPLEX OPERATION

Disk time is allocated to one, two or three Work Stations in a manner which enables all stations to have virtually concurrent access to the disk. Participating stations are sequentially polled on an "equal priority" basis by the multiplexer controller until a Work Station is detected attempting to access the disk. At that time, control of the disk is passed to the inquiring station, which is permitted to execute a single disk statement or command. (Multi-sector transfer may be made by a single statement.) When execution of the single disk statement is complete, disk control reverts to the multiplexer controller, which resumes its sequential polling of the stations.

A programmable Lock-On Mode is provided for instances where the on-line updating of a commonly shared file necessitates the exclusive and uninterrupted access of the disk by one station. In Lock-On Mode, one station temporarily monopolizes the disk, locking out all other stations. Critical file maintenance operations may then be carried out by the privileged station without fear of interruption.

MULTI PROCESSING CAPABILITY

With the Extended BASIC Instruction Set, the Work Station is capable of complex processing functions.



THE 2200
WORK STATION

DATA SHEET

This instruction set includes the PRINTUSING and % (Image) statements which permit easy and concise formatting of printed reports that include leading dollar signs (\$), commas, and decimal point insertion of numbers; the COM and COM CLEAR statements which allow efficient use of memory for passing variable data between overlaid program steps; a number of statements to permit extensive customization of the keyboard and display for program data entry; and a set of bit/byte manipulation statements and functions to operate on alphanumeric and binary data.

In addition to the powerful BASIC language offered in the Work Station, a number of special instruction groups, "hardwired" into the ROM of the unit, significantly expand the power and versatility of the system. These instruction groups include the Math Matrix Set, the General I/O Set, the SORT Set, and the EDIT Set. With these instruction sets the Work Station provides a 2200 compatible language set which simplifies programming and allows flexible distribution of processing tasks among the Work Stations.

SPECIFICATIONS

Size

Height 13½ in. (34.3 cm)
Depth 20½ in. (52 cm)
Width 19¾ in. (50.2 cm)

Weight

54 lb (24.5 kg)

CRT

Display Size 12 in. diagonal (30.4 cm)
Capacity 16 lines, 64 characters/line
Character Size
Height 0.20 in. (0.51 cm)
Width 0.12 in. (0.30 cm)

Optional CRT

Display Size 12 in. diagonal (30.4 cm)
Capacity 24 lines, 80 characters/line
Character Size
Height16 in. (0.41 cm)
Width09 in. (0.23 cm)

Power Requirements

115 or 230 VAC ± 10%
50 or 60 Hz ± ½ Hz

Wattage

260

Fuses

2.5a @ 115v/60Hz
1.2a @ 230v/50Hz

SPECIFICATIONS (Cont.)

Operating Environment

20°F to 90°F (10°C to 32°C)
20% to 80% relative humidity, allowable
35% to 65% relative humidity, recommended

Cabling

Extension cables are available in lengths of 50, 100, and 200 feet. The extension cable is coupled with a standard connector cable to permit an increased distance between successive systems in the chain. Extension cables may be coupled together; thus the maximum distance between a pair of systems in the multiplexer chain is 512 feet (two 200-foot extension cables, a 100-foot extension cable plus a standard 12-foot connector cable). The maximum distance between CPU #1 and CPU #4 in a four-station configuration is 536 feet (two 200-foot extension cables and one 100-foot extension cable, plus three standard 12-foot cables). The disk I/O cable connecting the disk to CPU #1 (the CPU containing the 2230MXA master board) cannot be extended; the maximum distance between CPU #1 and the disk is 12 feet. For the second and subsequent Work Stations, T connectors must be ordered.

Memory: 8K, 16K, 24K, 32K

Subroutine Stacking: 50

ORDERING SPECIFICATIONS

The Work Station is a small computer consisting of an 8,192 byte Random Access Memory (RAM), expandable to 32,768 bytes in 8,192 byte increments; an upper/lowercase alphanumeric/BASIC keyword keyboard; an upper/lowercase 12-inch (30.5 cm) Cathode Ray Tube (CRT) display; a disk multiplexer connector; and I/O capabilities. It must be possible to multiplex the Work Station to any Wang System 2200 which has fixed/removable disk capability. Up to three Work Stations must be capable of interfacing to the same disk. Extension cables must be available in increments of 50, 100, and 200 feet (15.3, 30.5, and 61 meters).

The following features must be standard: the keyboard character repeat function, the Math Matrix Instruction Set, the SORT Instruction Set, the General I/O Instruction Set, and the EDIT function.

The following options and peripherals must be available: the Model 2221W Line Printer (200 cps) and the Model 2231W Line Printer (120 cps); the Model 2272-1, -2 Digital Drum Plotter; Option 66 - 24 by 80 CRT; and Option 60 - Auxiliary Display Connector, Keyboard Clicker, and Audio Alarm.

Standard Warranty Applies

Wang Laboratories reserves the right to change specifications without prior notice.



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