PRODUCT DATA SHEET

2200

MVP and LVP SYSTEMS OPTION C

INTRODUCTION

The Wang 2200 Series Option C provides the 2200MVP and 2200LVP Systems with the increased control memory necessary to support both the 2200 COBOL and BASIC-3 languages. Included with Option C are a multiuser operating system with disk volume and file management capabilities, 2200 COBOL, and BASIC-3.

The MVP and LVP CPUs with Option C have seven I/O slots for controller boards and peripheral connection. This option supports up to 256K bytes of user memory for both MVP and LVP systems.

LANGUAGE FEATURES

The 2200MVP and 2200LVP Systems with Option C support both COBOL and BASIC-3. A user can interactively create, modify, and execute programs in either language.

Because these languages are co-resident, COBOL and BASIC-3 programs can be processed concurrently. Since each language provides singular features for performing certain jobs, functional portions of a system may be implemented in the language best suited to the specific problem.
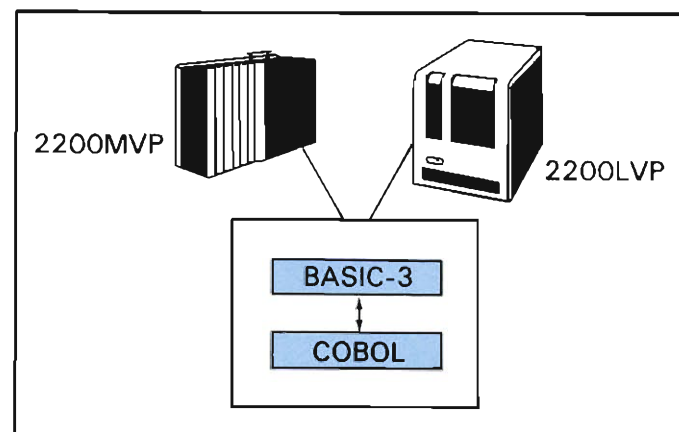
Option C can also support the Wang BASIC-2 language. However, since BASIC-2 and BASIC-3 have a different operating system, these languages cannot be co-resident.

2200 COBOL Language

Wang 2200 COBOL is an interactive version of the COBOL language that includes all nucleus language features of ANSI (X3.23-1974) Level 1 COBOL, as well as many features of Level 2 COBOL.

COBOL is a standardized programming language. It is extremely popular in business environments, because of the ease with which it handles complex hierarchical data structures for applications such as inventory, billing, and payroll.

- Supports 2200 COBOL

- Supports 2200 BASIC-3

- Available for the 2200MVP and 2200LVP Systems

- Seven I/O Slots

COBOL is also ideal for tasks requiring large-file handling and output formatting with typical business calculations such as price extensions, discounting, and commissions. The 2200 COBOL language offers a high degree of compatibility with Wang VS COBOL.

BASIC-3 Language

Wang BASIC-3, a greatly enhanced version of the popular BASIC language, is a high-level programming language that is especially well suited for the interactive computing environment.

In addition to being highly compatible with Wang BASIC-2, BASIC-3 offers a variety of extensions and unique capabilities. The result is a powerful programming language that is extremely versatile and well suited for both technical and commercial applications.

In COBOL environments, BASIC-3 is provided as a companion utility language. The flexibility and power of BASIC-3 eliminate the need to program functions not provided by COBOL in an assembly language.

SYSTEM MEMORY

System memory is divided into control memory and user memory. The language processor, operating system, and system software reside in the dedicated control memory. Therefore, user memory is available for the storage of application software and data. Option C contains 48K of 24-bit words of control memory.

Since control memory is a separate, protected memory area that cannot be accessed by the user or the user's programs, system programs are always protected against accidental interference or destruction by a user program.

OPERATING SYSTEM

The operating system for COBOL and BASIC-3 provides the same multiuser task control as provided by MVP BASIC-2. The operating system uses a fixed-partition memory scheme where the user can define partitions for up to 16 programs. Each partition can be executing either a COBOL or BASIC-3 program.

The operating system contains a disk management system that provides efficient volume and file management. The shared file management system frees users from the responsibility of disk operations, enhances interprogram communication, and facilitates language-independent sharing of data files created by COBOL and BASIC-3. The file management system includes commands to create, delete, open, and close files. Other features of the file management system include dynamic space allocation, file security, print spooling, and file recovery procedures.

NOTE

For further information on the COBOL and BASIC-3 languages, the respective data sheets should be consulted.

SYSTEM UPGRADES

All existing 2200MVPs and 2200LVPs can be upgraded to include Option C to support the new language options. A special upgrade from the 2200VP to the 2200MVP is available, with Option C included.

ORDERING SPECIFICATIONS

Systems with Option C must have 48K of 24-bit words of control memory and 7 I/O slots for controller boards. Option C must include an operating system with disk volume and file management, and the COBOL and BASIC-3 languages.

Standard Warranty Applies