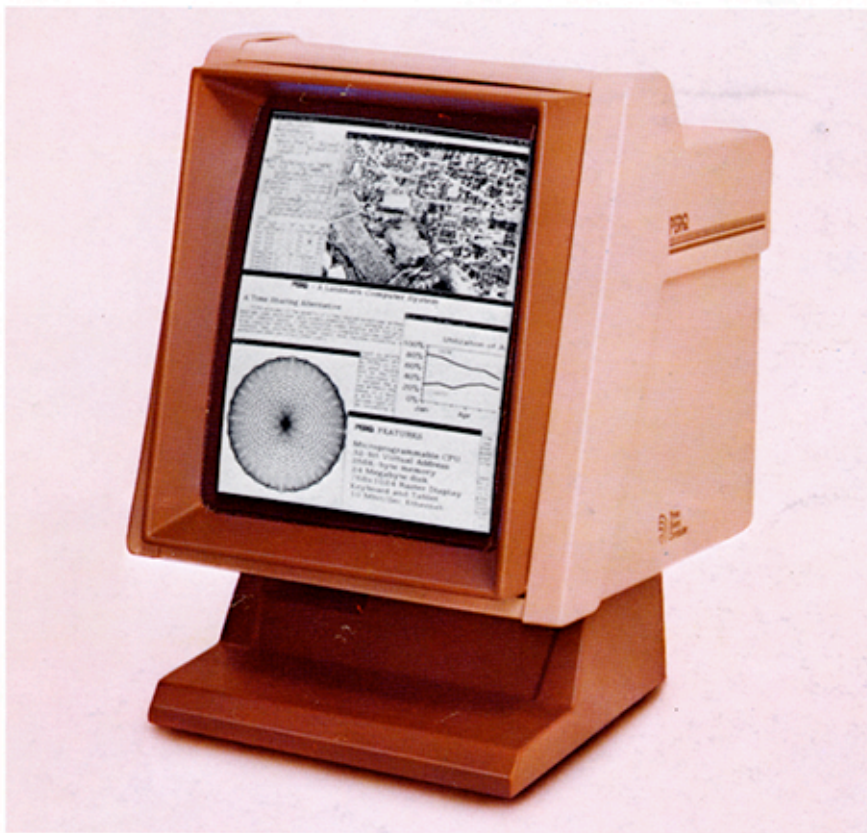


SOFTWARE HIGHLIGHTS



PASCAL COMPILER

A full PASCAL compiler is included with all PERQ systems. All Three Rivers supplied software is written in PASCAL. The language is extended with strings, separate compilation facilities, exceptional conditions, constant expressions, "others" clause, and additional predefined types.

EDITOR

The standard PERQ editor is a very sophisticated document manipulation system which displays on the screen an image of the document as faithfully as possible. PERQ's editor uses select-and-act sequences in which the pointer is used to select text to be manipulated, followed by entering the desired command. The Editor can easily handle large files.

OPERATING SYSTEM

PERQ is provided with a comprehensive operating system designed to provide a single user with a rich program development environment. The PERQ Operating System provides job management, virtual memory association, swapping, I/O services, File System, Window (Screen) Manager, Timekeeping functions, and PASCAL Routine Support.

Operating System modules are accessible at all levels to user programs via exported declarations. Security is provided with user login/password and multi-level file system security features. The operating system is mature and well documented.

FILE SYSTEM

PERQ has a hierarchical, multi-directory file system which

supports search lists and non-contiguous files. Random access devices are divided into a number of sections called partitions. Each partition can contain any number of directories, and each directory may contain other directories or files. Directories are stored as standard files and can be accessed by any program. To maximize disk utilization neither files nor blocks within files need be on contiguous disk sectors. PERQ's file system design stresses reliability. All critical retrieval information is redundantly stored, and verification checks on disk operations insure the integrity of files. A special scavenger program can reconstruct damaged disk structures if necessary.

DISPLAY WINDOW MANAGER

All PERQ systems use the display window manager to manipulate screen information. The window manager partitions the screen into separate areas of windows. Windows may be moved around the screen, enlarged or contracted in two dimensions and scrolled, all under user control. Windows can overlap each other and can be as large as the entire screen or as small as a postage stamp.

NETWORK SUPPORT

PERQ will support a fully Ethernet* compatible 10Mbit/sec local network. It can also be used as a communications vehicle to other systems or as a pipeline to remote resources such as printers, tape drives, large file systems, etc.

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**Ethernet is a trademark of Xerox Corporation.

SOFTWARE HIGHLIGHTS

COMMAND INTERPRETER

PERQ's Operating System features a replaceable outer level Command Interpreter which includes support for Command Files.

OTHER UTILITIES

PERQ is delivered with over 30 Utility Programs, including Directory Creation and Search, File Copy, Rename, Type, Print, and Delete Operations, Patch, Terminal Emulation, Disassembly, plus several demo programs. When PERQ's optional writable control store is ordered, a Micro Assembler, Placer and Debugger is included.

PERQ software is delivered fully supported, as licensed software binaries. Supported software source licenses are optionally available.



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