



## Nucleus FILE Embedded FILE System

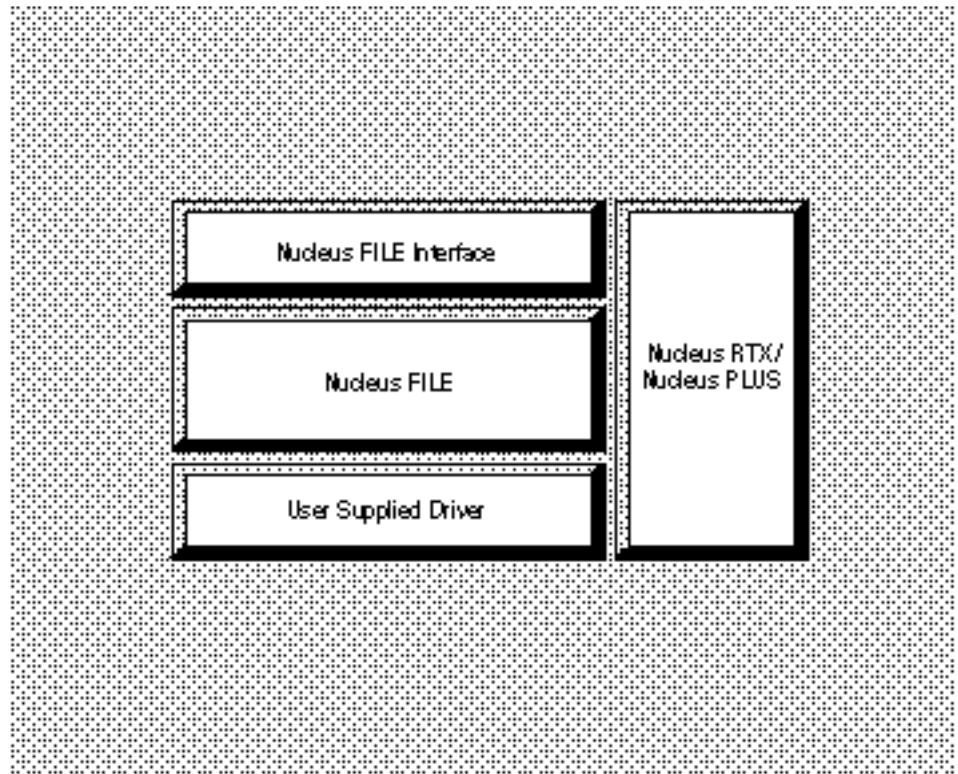
- Floppy and Hard Drive Support
- User Ports Initialize, Read, and Write Calls
- Full ANSI Standard I/O Capabilities
- Complete Set of Disk Management Services
- Documented Source Code
- No Royalties
- Simultaneous Access by Multiple Tasks
- Optimized Directory and FAT Management
- Portability to Big and Little Endian Architectures
- Simple, Blocking Driver Interface

Nucleus FILE provides file I/O support for Nucleus RTX and Nucleus PLUS applications. File access is performed in accordance with MS-DOS standard formats. Formats supported include 360 Kbyte, 720 Kbyte, 1.2 Mbyte, 1.44 Mbyte, and 2.88 Mbyte floppy disks as well as hard drives. MS-DOS 4.0 and higher formats are also supported providing arbitrarily large disks to be managed.

Nucleus FILE is delivered in ANSI C source code form. The source code is combined with Nucleus RTX or Nucleus PLUS, the user's application, and user supplied device drivers. The resulting program is then compiled, linked, and loaded using the user's choice of development environments.

Since the source code is provided, debugging while using the file system is identical to debugging any application program.

Nucleus FILE provides a full set of standard file I/O operations such as create, open, read, write, seek, delete, as well as a full set of directory features. It is re-entrant and supports real time features such as isolated portions of the disk for directory management as well as the ability to read and write contiguous files. Together, these features provide for a fast



and efficient file I/O capability which will produce fully MS-DOS compatible file output.

Nucleus FILE requires the user to develop device drivers for the hardware environment. Accelerated Technology can provide or develop drivers on a contractual basis.

As well as being delivered with complete source code and without royalties, Nucleus is provided with six months free technical support. This includes: phone, fax, BBS, e-mail and new releases. For more information, contact Accelerated Technology today.

HOST SYSTEMS SUPPORTED:  
No Restrictions

PROCESSORS SUPPORTED:  
i960® Kx, Sx, Cx, Jx Processors

AVAILABILITY:  
Now

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For international contacts see Appendix B.

