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Find the *SKY Computers SKYFFP-E-02* at our website: *Click HERE*

Floating point accelerator available for MC 68000 systems

The Sky Computers SKYFFP-E, a VME bus-compatible plug-in floating point accelerator for MC68000-based systems, is a single VME card capable of a 3-ms floating point multiply. The processor operates on data in 32-bit single precision and 64-bit double precision IEEE standard floating point formats.

In addition to basic arithmetic functions, the SKYFFP-E performs format conversions, square root, logarithmic, and trigonometric functions. The SKYFFP-E also includes a writable control store. Users may download their own microprogrammed special functions onto the SKYFFP-E and execute these functions with a single call.

The SKYFFP-E is completely user transparent, requiring no modification to existing Fortran, Pascal, or C programs. Sky supplies a set of runtime modules, which replace existing software emulation subroutines. With currently available software subroutines, basic floating point operations can take up to 300 ms. The SKYFFP-E is from five to 30 times faster than these software calculations, according to the company.

To increase speed further, the SKYFFP-E compiler can be modified to generate inline code, which will directly invoke the Sky board.

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