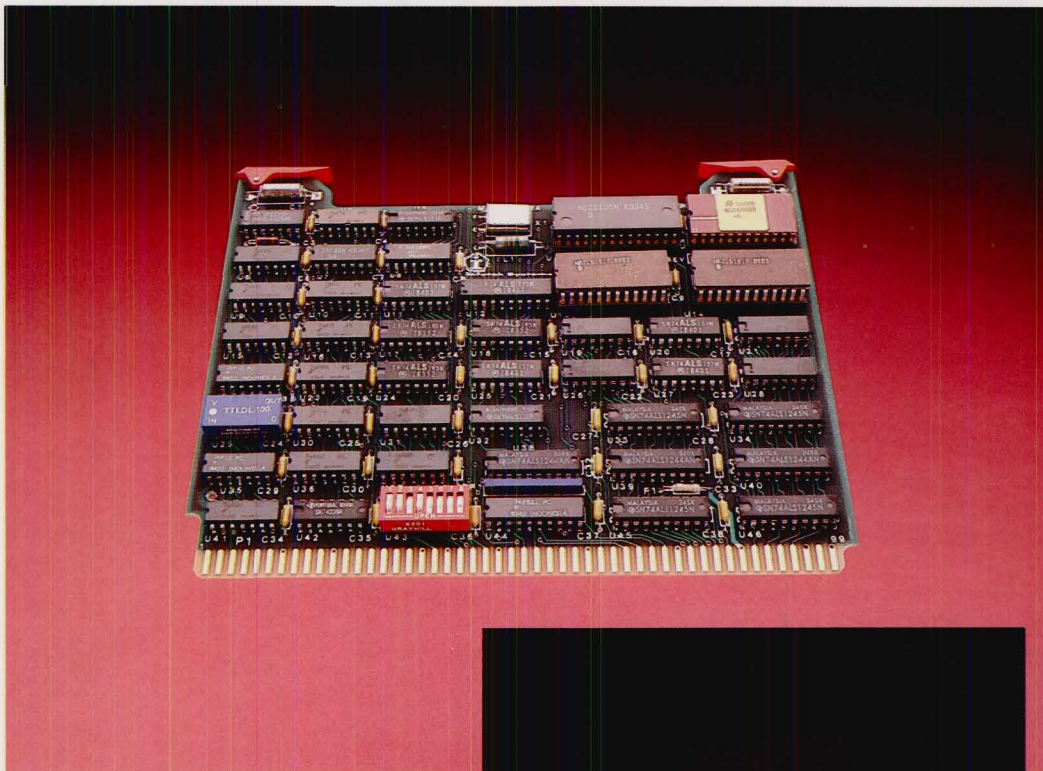


FP 200 Floating Point Coprocessor



- **Totally transparent operation**
- **Currently available for BASIC and PASCAL**
- **Memory-mapped operation in assembly language**
- **Easy installation into any I/O slot**
- **One year warranty**



ARITHMETIC OPERATION	WITHOUT THE FP 200	WITH THE FP 200	PERFORMANCE RATIO
Add	110	27	4.1
Subtract	123	27	4.6
Multiply	262	25	10.5
Divide	399	34	11.7

These figures represent typical floating point execution times for 64 bit operations with and without the FP 200. The execution times are in microseconds and include approximately 11 microseconds for transferring data to and from the FP 200.

HP Computer Museum
www.hpmuseum.net

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Infotek's FP 200 Floating Point Coprocessor significantly enhances the floating point arithmetic capabilities of the Hewlett-Packard Series 200 computers. Addition and subtraction are performed more than 4 times faster; multiplication and division more than 10 times faster.

This easily installed card performs basic floating point arithmetic and conversion operations. Arithmetic operations include addition, subtraction, multiplication, division and comparison. The conversion operations provide for numeric conversion between floating point and integer data. The FP 200 supports 32 and 64 bit floating point data. For the conversion operations, it supports 16 and 32 bit integer data.

The FP 200 functions as a coprocessor with the host Series 200 computer. The host computer initiates all floating point operations. The host computer is then free to perform other computations while the FP 200 is executing the floating point operation. Parallel execution by both processors is particularly useful in complex calculations such as the transcendental functions.

Infotek Systems has produced the necessary software for using the FP 200 with various operating systems. Use of the FP 200 with these systems is totally transparent to the user; absolutely no program modifications are required. Refer to the appropriate software Data Sheets for complete specifications.

The FP 200 provides for memory-mapped operation in assembly language. Sixteen registers are provided for communication with the FP 200.

The FP 200 may be installed in any I/O slot. An eight-position switch is provided for flexible configuration of the FP 200 address space.

How To Order

Infotek's system software is needed for all except assembly language programs.

When ordering the FP 200, please specify language and disk size.

Discounts

OEM, Government, educational and quantity discounts available. Please call for details.

INFOTEK SYSTEMS

1400 N. Baxter St., Anaheim, CA 92806,
Toll free (800) 227-0218. From California,
Alaska, Hawaii collect (714) 956-9300.
TELEX 182283

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West Germany
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OPERATION TIMING SPECIFICATION

Operation	Size (1)	Time (2)
Load Status	32	4.48
Store Status	32	3.68
Add Real	64 32	16.00 14.08
Subtract Real	64 32	16.00 14.08
Multiply Real	64 32	14.08 9.92
Divide Real	64 32	23.20 16.48
Compare Real	64 32	10.72 9.44
Convert Real/Real	64/32 32/64	6.40 6.56
Convert Integer/Real	32/64 32/32 16/64 16/32	11.36 10.72 11.04 10.40
Convert Real/Integer	64/32 64/16 32/32 32/16	11.36 11.04 10.72 10.40

(1) The 'Size' specifies the data size in bits.

(2) The 'Time' specifies the execution time in microseconds.

Power Requirements

1.2 Amps at 5 Volts maximum

Operating Temperature

0°C to +70°C

Storage Temperature

-25°C to +125°C



HP 9000 Series computers are
Hewlett-Packard products