

How to break the 8-bit without

It's not as hard as you think. Forget complex designs. And two-year waits.

All you do is get your hands on the Intel 8088.

And then leave the other 8-bit systems standing in your tracks. Without breaking the bank.

Because the 8088 gives you two to five times the performance of other 8-bit processors. For a whole lot less.

In fact, at \$14.10 for 100 pieces, 75% less than last year. (Because high volume shipments are already pushing the 8088 down a super fast price curve.)

And about 20% less than you'd pay for a Z80 or MC6809 system. For some simple reasons.

The 8088 runs at full speed with slower speed memories

than you need for other 8-bit microprocessors.

And about 1/3 less memory at that. Thanks to its powerful instruction set that helps you reduce the size of assembly language programs.

Which together with the 8088's library of high level software (Pascal, CP/M, Basic and Fortran) should help you cut the other part of system costs. The part that's larger than hardware.

But even though you're paying less, you'll be getting more.

Like 1-megabyte addressing. Extra power for 16-bit number crunching.

And faster string processing.

Fact is, our recent benchmarks show the 8088 runs circles around a Z80A, Z80B or MC6809

when it comes to terminal and small business applications.

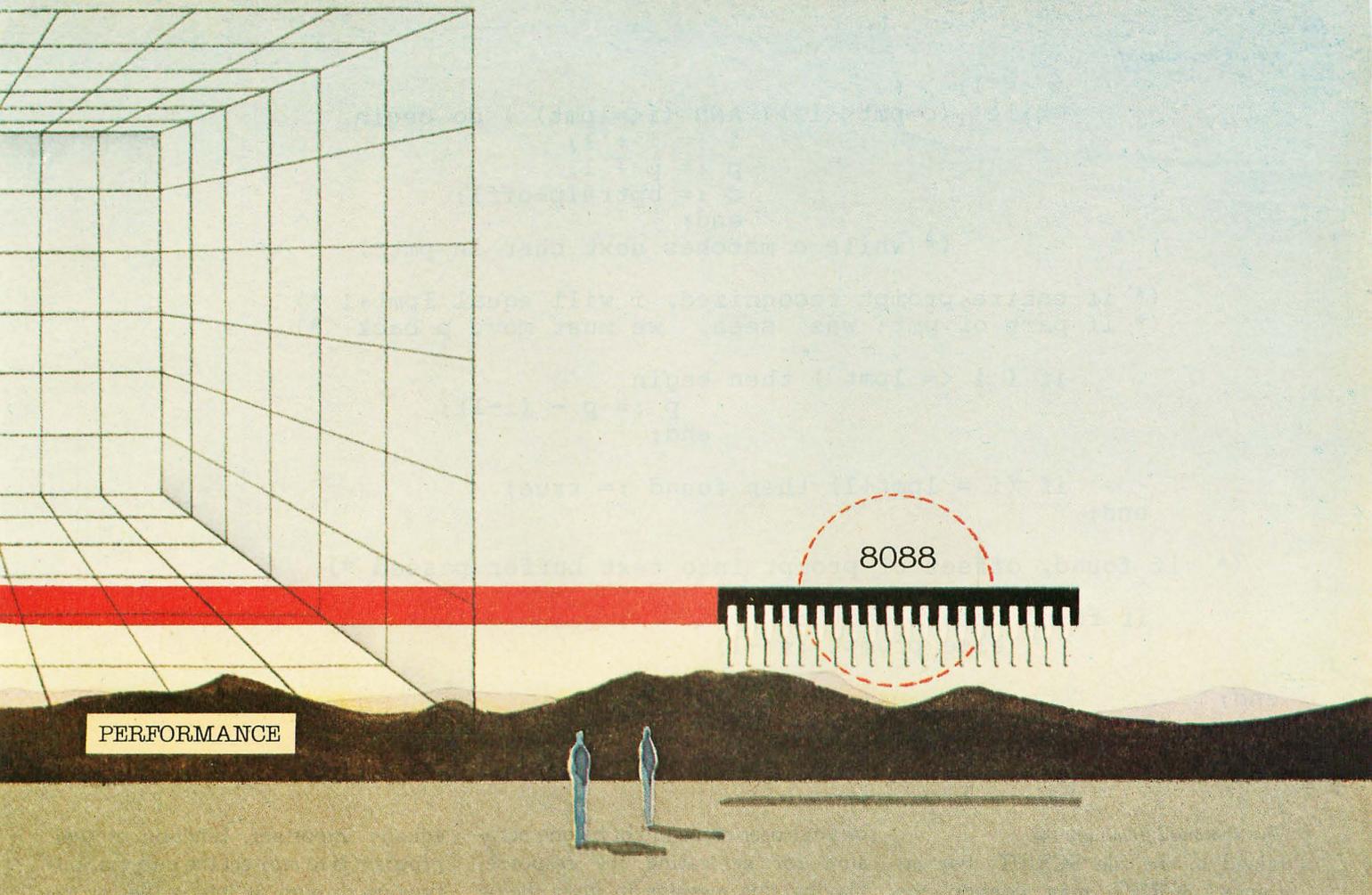
But don't think you have to stop there. With any of our iAPX 88 multiprocessor configurations, you can give performance an added boost—and still keep the cost and simplicity of an 8-bit system.

For 100 times the throughput on number crunching, just choose the iAPX 88/20 system.

Relative Performance

	Intel 8088 (5 MHz)	Zilog Z80B (6 MHz)	Motorola MC6809 (2MHz)
Computer Graphics	1.0	0.1	0.05
16-bit Multiply	1.0	0.17	0.5
Block Move	1.0	0.75	0.49

Full details of these benchmarks available in the iAPX 88 Book.



PERFORMANCE

bit performance barrier going broke.

It combines the power of the 8088 with our 8087 numeric coprocessor.

Or if you're worried about getting bound up in I/O. Don't. Select our iAPX 88/11 system that speeds I/O processing three to five times by putting an 8088 together with an 8089 I/O processor.

Then there's the fact if you ever decide to make the jump to 16 bits, you won't have to jump. The 8088 is 100% software compatible with our 8086.

Because we don't think you should have to sell out your future to get the best deal on price/performance today.

And to put you in the right frame of mind, we're ready to make you an offer.

Just clip this coupon and send it with \$5 to Intel Corporation, Literature Department, 3065 Bowers Avenue, Santa Clara, CA 95051. (Or call 408-987-8080.) We'll send you the book on

how to design iAPX 88 systems and a coupon good for one free 8088.

Everything you need to start breaking through barriers—without going broke.

Circle 405 on inquiry card.

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Limit one per person.

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