

At a Glance

Alpha Hits Low End with Digital's 21066	1
Digital's new 21066 processor is designed to lower the cost of Alpha PCs to around \$3,000. It integrates interfaces to cache, DRAM, and PCI, allowing the system designer to use standard PC components. Its \$424 price is competitive with Intel's 486DX2-50.	
Editorial: The Birth of a Platform	3
The launch of Apple's Newton is a watershed event similar to the announcements of the Macintosh or the IBM PC. Its success will greatly benefit ARM, but Newton is not wedded to ARM.	
Most Significant Bits	4
Nintendo selects MIPS processor; Intel boosts i960, previews new chips; PowerPC may emulate x86 in hardware; Sun picks TI as UltraSPARC foundry; AT&T buys Go for Eo; AMD loses OmniBook socket to TI; Intel, Cyrix drop court cases.	
Toshiba Launches 16-Bit Microcontroller Family	9
The TLCS-900 is Toshiba's latest microcontroller architecture. It is a new 16-bit upgrade, upward compatible with the company's 8-bit TLCS-90. The first three devices range from \$7-\$18.	
Packaging Influences Microprocessor Cost	12
Microprocessor designers face a series of tradeoffs in cost, performance, and power when selecting a package. PQFPs and PGAs are the most popular choices, but the new ball-grid array used for IBM's RIOS-1 processor may proliferate in the future.	
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MICROPROCESSOR REPORT

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Publisher and Editor-in-Chief

Michael Slater

e-mail: mslater@mdr.ziff.com

Senior Editor

Linley Gwennap

408.720.8840 • **Fax** 408.720.9465

e-mail: linley@mdr.ziff.com

Managing Editor

Elizabeth Longworth

Associate Editors

Brian Case Mark Thorson

Customer Service Manager

Richard Lang

Customer Service

Colleen McMillen Barbara Roberts

Office Manager: Lorelee Denny

Production Artist: Rachel Dufour

Contributing Editors

Dennis Allison Rich Belgard
Jeff Deutsch Morris Enfield
Mike Feibus Bruce Koball
Dean McCarron George Morrow
Bernard L. Peuto John Snell
Nick Tredennick John F. Wakerly
John H. Wharton

European Operations

Phil Sutcliffe, Parkway Gordon

Phone 44.0.491.875386

Fax 44.0.491.875524

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MICRODESIGN

874 Gravenstein Hwy. So., Suite 14
Sebastopol, CA 95472

Phone 707.824.4004 • **Fax** 707.823.0504

Customer service: 800.527.0288

e-mail: cs@mdr.ziff.com



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