

StrongArm Speed to Triple 1
 At Embedded Processor Forum, Intel unveiled its own version of the StrongArm processor it acquired from Digital. Sporting a longer pipeline and Intel's sizzling new 0.18-micron process, the new generation will operate at up to 600 MHz. The new chip adheres to StrongArm's low-power tradition, burning less than 500 mW at 1.3 V.

Editorial: Intel Seeks Salvation on Internet 3
 Frustrated by Microsoft's inability to create demand for its higher-performance (higher-profit) chips, Intel is hatching a plan to use the Internet to reverse the buying trend toward cheap PCs.

Most Significant Bits 4
 Alpha roadmap gets clearer; Celeron hits 466 MHz; Cyrix M II reaches Intel low end.

Embedded News 5
 Intel to develop network processors; QED cottons to copper; Lexra debuts Radiax DSP extensions for MIPS.

PowerPC Architecture Gets Makeover 9
 Tuning up the PowerPC architecture for an expanded role in embedded processing, IBM and Motorola have jointly developed Book E. The new architectural specification simplifies 64-bit addressing and memory management, enhances the interrupt structure, and gives both companies the freedom to customize the instruction set.

StarCore Reveals Its First DSP 13
 Motorola and Lucent's new StarCore alliance is preparing to deliver its first DSP core, the SC140, in 4Q99. With 16 function units and Motorola's 0.18-micron copper HIP-6 process, the 300-MHz VLIW core will deliver 1.2 billion multiply-accumulates per second at a cool 500 mW.

Intel Innovates With Integrated Graphics 17
 Pushing deep into the low end of the market, Intel has announced its Celeron-companion chip set, the 810 (née Whitney). Although its integrated UMA graphics engine offers relatively poor 3D performance, the 810 is priced as low as \$23.

Microsoft Updates Windows Roadmap 20
 Working to improve on its previous efforts to make PCs easier to use and more reliable, Microsoft held its annual WinHEC conference to lay out its new strategy to the PC-hardware community.

The Slater Perspective: Profits Elude Intel's Competitors 23
 For a while it appeared that Intel's x86 competitors were gaining ground. But financial results show Intel growing stronger and competitors gasping for air, raising this question: Can anyone compete?

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Founder and Executive Editor
 Michael Slater
 mslater@mdr.zd.com

Publisher and Editorial Director
 Linley Gwennap
 linley@mdr.zd.com

Editor in Chief
 Keith Diefendorff
 keithd@mdr.zd.com

Senior Editor
 Jim Turley
 jturley@mdr.zd.com

Senior Editor
 Peter N. Glaskowsky
 png@mdr.zd.com

Senior Editor
 TomR. Halfhill
 thalfhill@mdr.zd.com

Associate Editor: Laurie Masters

Editorial Board

Dennis Allison	Rich Belgard
Brian Case	Jeff Deutsch
Dave Epstein	Don Gaubatz
John Novitsky	Bernard Peuto
Nick Tredennick	John F. Wakerly

Editorial Office

298 S. Sunnyvale Avenue
 Sunnyvale, CA 94086-6245

Phone: 408.328.3900 Fax: 408.737.2242

Microprocessor Report (ISSN 0899-9341) is published every three weeks, 17 issues per year. Rates are: N. America: \$695 per year, \$1,295 for two years. Europe: £495 (€695) per year, £925 (€1,300) for two years. Elsewhere: \$795 per year, \$1,495 for two years. Back issues are available.

Published by



A member of the Cahners Electronics Group

Business Office

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

Phone: 707.824.4004 Fax: 707.823.0504

Subscriptions: 707.824.4001

cs@mdr.zd.com

World Wide Web: www.MDRonline.com

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Computer Press Award, Best Newsletter,
 Winner, 1993, 1994, and 1997

Printed on recycled paper with soy ink.