

Intel Network Processor Targets Routers 1
 Taking full advantage of its investment in Digital Semiconductor, Intel is bringing to market a chip multiprocessor developed by Digital to replace the myriad discrete ASICs that would otherwise populate tomorrow's high-speed network routers.

Editorial: Via Shopping Spree Reshapes x86 Market 3
 With its recent purchases of Cyrix and Centaur, Via Technologies has courageously, or foolishly, decided to go where National and IDT failed to go before: head-to-head with Intel.

Most Significant Bits 4
 Intel demos Merced, discloses chip set; NGIO, Future I/O merge; Compaq dumps NT for Alpha; Rapid Pentium III price cuts continue; S3 preps Savage2000 for new millennium; Nvidia GeForce offers acceleration; SGI reorganizes, allies with Nvidia.

Embedded News 11
 IDT unveils new 64600 core; AMD teaches old core new tricks; New TriMedia chips come with new roadmap.

MAJC Gives VLIW a New Twist 12
 Seeking an opportunity for VLIW technology in the microprocessor market between special-purpose DSPs and HP/Intel's upcoming IA-64 processors, Sun has optimized MAJC's VLIW instruction set for embedded-control applications and Java processing.

Reliance Sets Server Standard 16
 In a bid to become the number-one supplier of chip sets to the PC workstation and server markets, Reliance has introduced Server-Set III with 133-MHz front-side bus and PC133 SDRAM support.

New Chips, New Ideas at Siggraph '99 18
 This year's Siggraph was the venue for presentations on a multitude of new 3D-graphics hardware and software, as well as for new insights into the future directions of 3D research and commercial products.

Viewpoint: Mercy, Mercy, Merced 20
 Leading-edge projects tend to follow a predictable path, beginning with wild expectations and proceeding to final, usually disappointing, results. Merced appears to have followed this well-trodden path.

MoSys Explains 1T-SRAM Technology 23
 Finally, MoSys has described the tricks it uses to create memory cells the size of DRAMs with the speed and ease of access of SRAMs.

The Slater Perspective: Information Appliances Inching Along 24
 Information appliances have not replaced PCs, nor are they likely to anytime soon. They may, however, stunt the growth of the PC market as they assume some of the jobs PCs would otherwise have fulfilled.

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