Alpha Technology and Broadercasting

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May 21, 2000

www.compaq.com
Current Alpha Capabilities

- Leading integer/floating-point performance
- Outstanding memory bandwidth/latency
- 64-bit data and addressing
- Mature compilers, applications, operating systems (Tru64 Unix, Linux, OpenVMS)
- Large SMP, very large clustered systems
- Legendary reliability
Future Alpha Capabilities

- **EV69 (2001)**
  - Low cost/high performance systems

- **EV7 (2001)**
  - System-On-a-Chip (SOC) architecture
  - Glueless large-scale SMP
  - Extremely fault-tolerant systems

- **EV8 (2003)**
  - Simultaneous Multithreading (SMT)
  - New Media Instructions
Target Markets

- Telecommunications
- High-Performance Technical Computing (HPTC)
- E-commerce
- Enterprise Infrastructure
- Internet Appliances

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General Multimedia Interests

- Large scale interactive video/virtual classrooms
- Streaming media delivery
- Photorealistic 3D graphics rendering
- Multimodal broadband communications
Specific Multimedia Interests

- 64-bit applications
- Linux-based applications
- Better utilization of clustering, SMP, SMT
- MPEG-4 applications
- Open standards-based infrastructure