



New VIA C3™ Processor

Nehemiah Core



Introducing the next generation VIA C3™ processor integrating the new "Nehemiah" core. With its powerful PadLock™ Data Encryption Engine, the new VIA C3 is the first native x86 processor on the market with embedded security features that enhance the protection of sensitive corporate and personal data. Based on an advanced new VIA CoolStream™ architecture, the new VIA C3 delivers all the necessary performance for running even the most demanding digital media applications while maintaining ultra low levels of power consumption and effective heat dissipation - making it the ideal solution for powering a new wave of innovation in secure, quiet running, small form factor PCs and digital entertainment devices.



PadLock™ Data Encryption Engine

The new generation VIA C3 is the first native x86 processor in the world to integrate a high performance, hardware-based Random Number Generator with the introduction of the VIA PadLock™ Data Encryption Engine that helps ensure greater confidentiality, integrity, and authenticity of electronic data.

Ultra Low Power, Low Heat and Low Noise

With a typical maximum design power of just over 10 watts at 1GHz, the new generation VIA C3 runs extremely cool, enabling ultra

low levels of noise from system cooling fans.

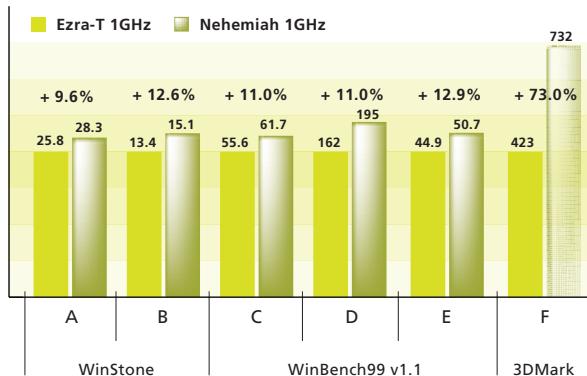
Enhanced Digital Media Performance

With its VIA CoolStream™

architecture, the new generation VIA C3 processor is packed with new digital media performance features, including support for four new pipeline stages, SSE

multimedia instructions, StepAhead™ Advanced Branch Prediction, an efficiency- enhanced 64KB Full-Speed Exclusive L2 cache with 16-way associativity, and a full-speed FPU.

Performance comparison between Ezra-T and Nehemiah core VIA C3™ processors



A: Business Winstone 2001, v1.0.2
 B: Business Winstone 2002, v1.0
 C: CPUMark99 (Under Win2K)

D: BusinessGraphics (Under Win2K)
 E: High-End Business Graphics (Under Win2K)
 F: 3DMark 2001 SE

Platform for Innovation

With its industry leading low power consumption, exceptional application performance, rock solid reliability, and robust security features, the new VIA C3 processor is unleashing a new wave of innovation in secure, stylish, quiet running small form factor systems that are expanding the PC platform into exciting new market segments.