



Intel® Pentium® 4 Processor 524 supporting HT Technology

1M Cache, 3.06 GHz, 533 MHz FSB

Essentials

- Product Collection [Legacy Intel® Pentium® Processor](#)
- Code Name [Products formerly Prescott](#)
- Vertical Segment Desktop
- Processor Number 524
- Status Discontinued
- Launch Date Q2'06
- Lithography 90 nm
- Recommended Customer Price N/A

Performance

- # of Cores 1
- Processor Base Frequency 3.06 GHz
- Cache 1 MB L2
- Bus Speed 533 MHz FSB
- TDP 84 W
- VID Voltage Range 1.200V-1.425V

Supplemental Information

- Embedded Options Available Yes
- Datasheet [View now](#)

Package Specifications

- Sockets Supported PLGA775
- T_{CASE} 67.7°C
- Processing Die Size 112 mm²
- # of Processing Die Transistors 125 million

Advanced Technologies

- Intel® Turbo Boost Technology † No
- Intel® Hyper-Threading Technology † Yes
- Intel® Virtualization Technology (VT-x) † No
- Intel® 64 † Yes
- Instruction Set 64-bit
- Idle States Yes

- Thermal Monitoring Technologies Yes

Security & Reliability

- Execute Disable Bit † Yes