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# Intel® Pentium® M Processor 745

2M Cache, 1.80 GHz, 400 MHz FSB

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## Specifications

#### Essentials

Performance

Supplemental Information

**Package Specifications** 

Advanced Technologies

Security & Reliability

## Ordering and Compliance

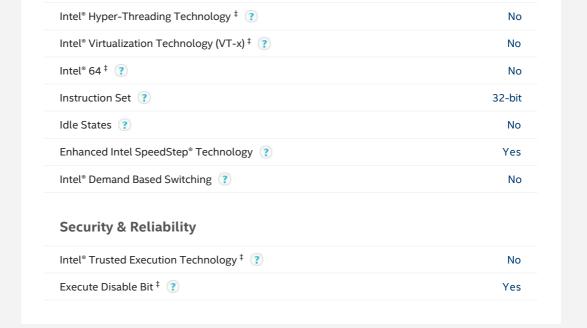
### **Product Images**

### **Compatible Products**

Downloads and Software

Essentials	Export specification
Product Collection	Legacy Intel® Pentium® Processor
Code Name	Products formerly Dothan
Vertical Segment	Mobile
Processor Number	745
Status	Discontinued
Launch Date 🕐	Q2'04
Lithography 🕜	90 nm
Recommended Customer Price ?	N/A
Performance	
# of Cores ?	1
Processor Base Frequency ?	1.80 GHz
Cache ?	2 MB L2
Bus Speed 🔞	400 MHz FSB
FSB Parity ?	No
TDP ?	7.5 W
Scenario Design Power (SDP)	0 W
VID Voltage Range ?	1.276V-1.34V
Supplemental Information	
Embedded Options Available 🕜	Yes
Datasheet	View now
Package Specifications	
Sockets Supported ?	H-PBGA479, PPGA478
T <sub>JUNCTION</sub> ?	100°C
Package Size	35mm x 35mm
Processing Die Size	87 mm <sup>2</sup>
# of Processing Die Transistors	144 million
Advanced Technologies	

ıtel® Turbo Boost Technology ‡ 👔



More support options for Intel® Pentium® M Processor 745 (2M Cache, 1.80 GHz, 400 MHz FSB)





Downloads and Software



**Support Community** 



Warranty and Replacement



## Need more help?

Contact support



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Refer to Datasheet for formal definitions of product properties and features.

 $\hbox{``Announced'' SKUs are not yet available. Please refer to the Launch Date for market availability.}$ 

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

See http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html? wapkw=hyper+threading for more information including details on which processors support Intel® HT Technology.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See <a href="https://www.intel.com/technology/turboboost/">www.intel.com/technology/turboboost/</a> for more information.

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System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

For benchmarking data see http://www.intel.com/performance.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.



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