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Intel® Pentium® 4 Processors 521

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Processor Specifications:

sSpec Number:	SL9CG	Package Type:	LGA775
CPU Speed:	2.80 GHz	Manufacturing Technology:	90 nm
PCG:	04A	Core Stepping:	G1
Bus Speed:	800 MHz	CPUID String:	0F49h
Bus/Core Ratio:	14.0	Thermal Design Power:	84W
L2 Cache Size:	1 MB	Thermal Specification:	67.7°C
L2 Cache Speed:	2.8 GHz	VID Voltage Range:	1.25V - 1.400V

Product Documentation:

<http://developer.intel.com/design/Pentium4/documentation.htm>

Product Order Codes:

Box Order Code:	OEM Order Code:	HH80547PG0721MM
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Supported Features:

- [Hyper - Threading Technology](#) ¹
- [Intel® EM64T](#) ²
- [Execute Disable Bit](#) ³

Notes:

Some of these processors are offered as boxed processors with an unattached heatsink.

These parts have multiple VIDs.

Legal Disclaimers:

1 Hyper - Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and a Hyper - Threading Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/info/hyperthreading/> for more information including details on which processors support HT Technology.

2 Intel® EM64T requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel EM64T. Processor will not operate (including 32 - bit operation) without an Intel EM64T - enabled BIOS. Performance will vary depending on your hardware and software configurations. See <http://www.intel.com/info/em64t> for more information including details on which processors support Intel® EM64T or consult with your system vendor for more information.

3 Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.