

## Intel Pentium 4 processors with the new LGA775 packaging

قبل أن نبدأ ، دعونا نستعرض بعض المعالجات المتاحة LGA775 من انتل .

المواصفات التقنيه LGA775 المجهزين

### Technical Specifications of LGA775 Processors

Processor	Pentium 4	Pentium 4	Pentium 4	Pentium 4	Pentium 4	Pentium 4 Extreme Edition
Model No.	520	530	540	550	560	-
Processor Frequency	2.8GHz	3GHz	3.2GHz	3.4GHz	3.6GHz	3.4GHz
Process Technology	90nm	90nm	90nm	90nm	90nm	130nm
No. of Transistors	125 million	125 million	125 million	125 million	125 million	178 million
L1 Cache (data + instruction)	16KB + 12KB	16KB + 12KB	16KB + 12KB	16KB + 12KB	16KB + 12KB	8KB + 12KB
L2 Cache	1MB	1MB	1MB	1MB	1MB	512KB
L3 Cache	-	-	-	-	-	2MB
FSB Frequency	800MHz	800MHz	800MHz	800MHz	800MHz	800MHz
Hyper-Threading Technology	Yes	Yes	Yes	Yes	Yes	Yes
3D and Multimedia Instructions	MMX, SSE, SSE2, SSE3					MMX, SSE, SSE2
Instruction Set	x86 ISA (32-bit)					
Voltage	1.25 - 1.40V	1.25 - 1.40V	1.25 - 1.40V	1.25 - 1.40V	1.25 - 1.40V	1.525 - 1.60V
Thermal Design Power	84W	84W	84W	115W	115W	109.6W

تركيب المعالج ( Installing the CPU )