



Intel® Celeron® Processor 585

(1M Cache, 2.16 GHz, 667 MHz FSB)

SPECIFICATIONS

All

Essentials

Graphics Specifications

Package Specifications

Advanced Technologies

COMPATIBLE PRODUCTS

BLOCK DIAGRAMS

ORDERING / SSPECS / STEPPINGS

SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q3'08
Processor Number	585
# of Cores	1
# of Threads	1
Clock Speed	2.16 GHz
L2 Cache	1 MB
Bus/Core Ratio	13.2
FSB Speed	667 MHz
FSB Parity	No
Instruction Set	64-bit
Embedded Options Available	No
Supplemental SKU	No
Lithography	65 nm
Max TDP	31 W
VID Voltage Range	0.95-1.30V
Tray 1ku Budgetary Price	\$70.00

Graphics Specifications

Integrated Graphics	No
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Package Specifications

T _{CASE}	100°C
Package Size	35mm x 35mm
Processing Die Size	143 mm ²
# of Processing Die Transistors	291 million
Sockets Supported	PPGA478
Halogen Free Options Available	No

Advanced Technologies

Intel® Turbo Boost Technology	No
Intel® Hyper-Threading Technology	No
Intel® Virtualization Technology (VT-x)	No
Intel® Trusted Execution Technology	No
Intel® 64	Yes
Idle States	No
Enhanced Intel SpeedStep® Technology	No
Intel® Demand Based Switching	No
Execute Disable Bit	Yes

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ADDITIONAL INFORMATION

PCN/MDDS INFORMATION

SLB6L
897854: [PCN](#) | [MDDS](#)

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.

64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/products/ht/hyperthreading_more.htm for more information including details on which processors support HT Technology.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software, enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel Virtualization Technology-enabled VMM applications are currently in development.

Note: Prices subject to change without notice. Prices are for direct Intel customers in 1000-unit bulk quantities and, unless specified, represent the latest technology versions of the products. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/products/processor_number for details.

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

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Halogen Free implies the following:

Bromine and/or chlorine in materials that may be used during processing, but do not remain within the final product are not included in this definition. The halogens fluorine (F), iodine (I), and astatine (At) are not restricted by this standard.

"BFR/CFR and PVC-Free" Definition:
An article must meet all of the following requirements to be defined as "BFR/CFR and PVC-Free":

All PCB laminates must meet Br and Cl requirements for low halogen as defined in IPC-4101B
For components other than PCB laminates, all homogeneous materials must contain < 900 ppm (0.09%) of Bromine [if the Bromine (Br) source is from BFRs] and < 900 ppm (0.09%) of Chlorine [if the Chlorine (Cl) source is from CFRs or PVC. Higher concentrations of Br and Cl are allowed in homogenous materials of components other than PCB laminates as long as their sources are not BFRs, CFRs, PVC.

Although the elemental analysis for Br and Cl in homogeneous materials can be performed by any analytical method with sufficient sensitivity and selectivity, the presence or absence of BFRs, CFRs or PVC must be verified by any acceptable analytical techniques that allow for the unequivocal identification of the specific Br or Cl compounds, or by appropriate material declarations agreed to between customer and supplier.

Max Turbo Frequency refers to the maximum single-core frequency that can be achieved with Intel® Turbo Boost Technology, which requires a PC with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.