


Intel® Pentium® Processor G850 (3M Cache, 2.90 GHz)


Specifications

Essentials	
Status	Launched
Launch Date	Q2'11
Processor Number	G850
# of Cores	2
# of Threads	2
Clock Speed	2.9 GHz
Intel® Smart Cache	3 MB
Bus/Core Ratio	29
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2
Embedded Options Available	 Yes
Lithography	32 nm
Max TDP	65 W
Recommended Customer Price	\$75 - \$82

Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1066/1333
# of Memory Channels	2
Max Memory Bandwidth	21 GB/s

Graphics Specifications

Processor Graphics	 Intel® HD Graphics
Graphics Base Frequency	850 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Intel® Quick Sync Video	No
Intel® InTru™ 3D Technology	No
Intel® Insider™	No
Intel® Wireless Display	No
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	No
Dual Display Capable	Yes







Expansion Options

PCI Express Revision	2.0
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Package Specifications

Max CPU Configuration	1
T _{CASE}	69.1°C
Package Size	37.5mm x 37.5mm
Sockets Supported	FCLGA1155
Low Halogen Options Available	Yes

Advanced Technologies

Intel® Turbo Boost Technology		No
Intel® vPro Technology		No
Intel® Hyper-Threading Technology		No
Intel® Virtualization Technology (VT-x)		Yes
Intel® Virtualization Technology for Directed I/O (VT-d)		No
Intel® Trusted Execution Technology		No
AES New Instructions		No
Intel® 64		Yes
Idle States		Yes
Enhanced Intel SpeedStep® Technology		Yes
Thermal Monitoring Technologies		Yes
Intel® Fast Memory Access		Yes
Intel® Flex Memory Access		Yes
Execute Disable Bit		Yes

ORDERING AND SPEC INFORMATION

Ordering and Spec Information

Intel® Pentium® Processor G850 (3M Cache, 2.90 GHz) FC-LGA10D, Tray

Socket	Step	Step TDP	Ordering Code	Spec Code	Low Halogen	VT-x
FCLGA1155		65 W	CM8062301046204	SR05Q	Yes	Yes

Boxed Intel® Pentium® Processor G850 (3M Cache, 2.90 GHz) FC-LGA10D

Socket	Step	Step TDP	Ordering Code	Spec Code	Low Halogen	VT-x
FCLGA1155		65 W	BX80623G850	SR05Q	Yes	Yes