




# Intel® Celeron® Processor G540 (2M Cache, 2.50 GHz)


## Specifications

Essentials	
Status	Launched
Launch Date	Q3'11
Processor Number	G540
# of Cores	2
# of Threads	2
Clock Speed	2.5 GHz
Intel® Smart Cache	2 MB
Bus/Core Ratio	25
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2
Embedded Options Available	 <b>Yes</b>
Lithography	32 nm
Max TDP	65 W
Recommended Customer Price	\$52 - \$58

## Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1066
# 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 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 <sub>CASE</sub>	69.1°C
Package Size	37.5mm x 37.35mm
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® Celeron® Processor G540 (2M Cache, 2.50 GHz) FC-LGA10D, Tray

Socket	Step	Step TDP	Ordering Code	Spec Code	Low Halogen	VT-x
FCLGA1155		65 W	CM8062301046804	SR05J	Yes	Yes

#### Boxed Intel® Celeron® Processor G540 (2M Cache, 2.50 GHz) FC-LGA10D

Socket	Step	Step TDP	Ordering Code	Spec Code	Low Halogen	VT-x
FCLGA1155		65 W	BXC80623G540	SR05J	Yes	Yes