



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com


Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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	 Yes
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
----------------------	-----

Package Specifications

Max CPU Configuration	1
T _{CASE}	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