

Specifications Intel Pentium Processor G630

Essentials

Status	Launched
Launch Date	Q3'11
Processor Number	G630
# of Cores	2
# of Threads	2
Clock Speed	2.7 GHz
Intel® Smart Cache	3 MB
Bus/Core Ratio	27
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2
Embedded Options Available	No
Lithography	32 nm
Max TDP	65 W
Recommended Customer Price	TRAY: \$64 BOX : \$64
Datasheet Url	Link

Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1066
# of Memory Channels	2
Max Memory Bandwidth	17 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
# of Displays Supported	2

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	See MDDS

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
Intel® VT-x with Extended Page Tables (EPT)	Yes