

Specifications Intel Pentium Processor G3220

Essentials	
Status	Launched
Launch Date	Q3'13
Processor Number	G3220
# of Cores	2
# of Threads	2
Clock Speed	3 GHz
Intel® Smart Cache	3 MB
DMI2	5 GT/s
# of QPI Links	0
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2
Embedded Options Available	No
Lithography	22 nm
Max TDP	53 W
Thermal Solution Specification	PCG 2013C
Recommended Customer Price	BOX : \$64.00 TRAY: \$64.00
Memory Specifications	
Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1333
# of Memory Channels	2
Max Memory Bandwidth	21.3 GB/s
ECC Memory Supported	Yes
Graphics Specifications	
Processor Graphics †	Intel® HD Graphics
Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Intel® Quick Sync Video	Yes
Intel® Clear Video HD Technology	No
# of Displays Supported †	3

Expansion Options	
PCI Express Revision	3.0
PCI Express Configurations †	Up to 1x16, 2x8, 1x8/2x4
Max # of PCI Express Lanes	16
Package Specifications	
Max CPU Configuration	1
T _{CASE}	72°C
Package Size	37.5mm x 37.5mm
Graphics and IMC Lithography	22nm
Sockets Supported	FCLGA1150
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® VT-x with Extended Page Tables (EPT)	Yes
Intel® TSX-NI	No
Intel® 64	Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Thermal Monitoring Technologies	Yes
Intel® Stable Image Platform Program (SIPP)	No
Intel® Data Protection Technology	
AES New Instructions	No
Intel® Platform Protection Technology	
Trusted Execution Technology	No
Execute Disable Bit †	Yes