HP Intel Pentium G3420 processor 3.2 GHz 3 MB L2

Brand : HP **Product code:** 742565-001

Product name : Intel Pentium G3420

Intel Pentium G3420, 3.2 GHz, 3 MB Cache, 5 GT/s, 22 nm

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We are in a multi-year journey to turn HP around, and we have put in place a plan to restore HP to growth. We know where we need to go, and we're making progress.We continue to drive product innovation in our core markets, with a focus on cloud, security, and big data. We see big opportunities ahead, and we are well positioned to take advantage of these opportunities with our remarkable set of assets and strengths. We have the people, the plan, and the foundation in place to help us succeed on the next phase of the journey.

Processor	
Processor model *	G3420
Processor base frequency *	3.2 GHz
Processor family *	Intel Pentium G
Processor cores *	2
Processor socket *	LGA 1150 (Socket H3)
Component for	PC
Processor lithography *	22 nm
Processor threads	2
System bus rate	5 GT/s
Processor operating modes *	32-bit, 64-bit
Processor cache	3 MB
Processor cache type	L2
Thermal Design Power (TDP)	53 W
Memory bandwidth supported by processor (max)	25.6 GB/s

Memory	
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory channels *	Dual-channel
ECC	✔

Graphics	
On-board graphics card *	✔
On-board graphics card model *	Intel® HD Graphics
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Number of displays supported (on-board graphics)	3

Features	
Execute Disable Bit	✔
Idle States	✔

Features	
Thermal Monitoring Technologies	✔
Market segment	Desktop
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✘
Intel® Turbo Boost Technology	✘
Intel® Quick Sync Video Technology	✘
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel® AES New Instructions (Intel® AES-NI)	✘
Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel Virtualization Technology (VT-x)	✔
Intel® vPro™ Platform Eligibility	✘

Operational conditions	
Tcase	72 °C

Packaging data	
Package width	37.5 mm
Package depth	37.5 mm

Other features	
Intel® Virtualization Technology (Intel® VT)	VT-x

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