



HP Intel Pentium G3450 processor 3.4 GHz 3 MB Smart Cache

Brand : HP

Product code: 769741-001

Product name : Intel Pentium G3450

Intel Pentium G3450, 3M Cache, 3.4 GHz, 5 GT/s DMI2

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HP Intel Pentium G3450. Processor family: Intel Pentium G, Processor socket: LGA 1150 (Socket H3), Processor lithography: 22 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM, DDR3L. On-board graphics card model: Intel® HD Graphics, Maximum on-board graphics card memory: 1.7 GB, On-board graphics card outputs supported: DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI, VGA (D-Sub). Market segment: Desktop, PCI Express configurations: 1x16, 1x8+2x4, 2x8, Supported instruction sets: SSE4.1, SSE4.2. Compatibility: EliteOne 800 G1

Processor		Graphics	
Processor model *	G3450	On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz
Processor base frequency *	3.4 GHz	On-board graphics card refresh rate at maximum resolution (HDMI)	60 Hz
Processor family *	Intel Pentium G	On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz
Processor cores *	2	Features	
Processor socket *	LGA 1150 (Socket H3)	Execute Disable Bit	✓
Component for	PC	Idle States	✓
Processor lithography *	22 nm	Thermal Monitoring Technologies	✓
Processor series	Intel Pentium G3000 series for Desktop	Market segment	Desktop
Processor threads	2	Maximum number of PCI Express lanes	16
System bus rate	5 GT/s	PCI Express slots version	3.0
Processor operating modes *	64-bit	PCI Express configurations	1x16, 1x8+2x4, 2x8
Processor cache	3 MB	Supported instruction sets	SSE4.1, SSE4.2
Processor cache type	Smart Cache	Scalability	15
Thermal Design Power (TDP)	53 W	CPU configuration (max)	1
Stepping	C0	Embedded options available	✗
Bus type	DMI2	Graphics & IMC lithography	22 nm
Memory bandwidth supported by processor (max)	25.6 GB/s	Thermal solution specification	PCG 2013C
Memory		Processor special features	
Maximum internal memory supported by processor	32 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Memory types supported by processor	DDR3-SDRAM, DDR3L	Intel® Turbo Boost Technology	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel® Quick Sync Video Technology	✓
Memory voltage supported by processor	1.5 V	Intel® Wireless Display (Intel® WiDi)	✓
Memory channels *	Dual-channel	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
ECC	✓	Intel® AES New Instructions (Intel® AES-NI)	✗
Graphics		Enhanced Intel SpeedStep Technology	✓
On-board graphics card *	✓	Intel Trusted Execution Technology	✗
On-board graphics card model *	Intel® HD Graphics	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum on-board graphics card memory	1.7 GB	Intel® Secure Key	✓
On-board graphics card outputs supported	DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI, VGA (D-Sub)	Intel TSX-NI	✗
On-board graphics card base frequency	350 MHz		

Graphics		Processor special features	
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Stable Image Platform Program (SIPP)	✗
Number of displays supported (on-board graphics)	3	Intel 64	✓
On-board graphics card DirectX version	11.1/12	Intel Virtualization Technology (VT-x)	✓
On-board graphics card OpenGL version	4.3	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card maximum resolution (DisplayPort)	2560 x 1600 pixels	Conflict-Free processor	✓
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	2560 x 1600 pixels	Intel® vPro™ Platform Eligibility	✗
On-board graphics card maximum resolution (HDMI)	1920 x 1080 pixels	Operational conditions	
On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels	Tcase	72 °C
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Other features	
		Compatibility	EliteOne 800 G1

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