



HP Intel Pentium G3450T processor 2.9 GHz 3 MB Smart Cache

Brand : HP

Product code: 787624-001

Product name : Intel Pentium G3450T

Intel Pentium G3450T, 3M Cache, 2.9 GHz, 5 GT/s DMI2

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HP Intel Pentium G3450T. 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: ProOne 400 G1

Processor		Graphics	
Processor model *	G3450T	On-board graphics card OpenGL version	4.3
Processor base frequency *	2.9 GHz	On-board graphics card maximum resolution (DisplayPort)	2560 x 1600 pixels
Processor family *	Intel Pentium G	On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	2560 x 1600 pixels
Processor cores *	2	On-board graphics card maximum resolution (HDMI)	1920 x 1080 pixels
Processor socket *	LGA 1150 (Socket H3)	On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels
Component for	PC	On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz
Processor lithography *	22 nm	On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz
Processor series	Intel Pentium G3000 series for Desktop	On-board graphics card refresh rate at maximum resolution (HDMI)	60 Hz
Processor threads	2	On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz
System bus rate	5 GT/s		
Processor operating modes *	64-bit		
Processor cache	3 MB		
Processor cache type	Smart Cache		
Thermal Design Power (TDP)	35 W		
Stepping	C0		
Bus type	DMI2		
Memory bandwidth supported by processor (max)	25.6 GB/s		
Memory		Features	
Maximum internal memory supported by processor	32 GB	Execute Disable Bit	✓
Memory types supported by processor	DDR3-SDRAM, DDR3L	Idle States	✓
Memory clock speeds supported by processor	1333,1600 MHz	Thermal Monitoring Technologies	✓
Memory voltage supported by processor	1.5 V	Market segment	Desktop
Memory channels *	Dual-channel	Maximum number of PCI Express lanes	16
ECC	✓	PCI Express slots version	3.0
Graphics		PCI Express configurations	1x16, 1x8+2x4, 2x8
On-board graphics card *	✓	Supported instruction sets	SSE4.1, SSE4.2
On-board graphics card model *	Intel® HD Graphics	Scalability	15
Maximum on-board graphics card memory	1.7 GB	CPU configuration (max)	1
On-board graphics card outputs supported	DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI, VGA (D-Sub)	Embedded options available	✗
On-board graphics card base frequency	200 MHz	Graphics & IMC lithography	22 nm
		Thermal solution specification	PCG 2013A
Processor special features			
		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
		Intel® Turbo Boost Technology	✗

Graphics		Processor special features	
On-board graphics card dynamic frequency (max)	1100 MHz	Enhanced Intel SpeedStep Technology	✓
Number of displays supported (on-board graphics)	3	Intel Trusted Execution Technology	✗
On-board graphics card DirectX version		Other features	
11.1/12		Compatibility	ProOne 400 G1

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