HP Intel Pentium G4400 processor 3.3 GHz 3 MB Smart Cache

Brand : HP **Product code:** 839511-001

Product name : Intel Pentium G4400

Intel Pentium G4400, 3M Cache, 3.3 GHz, 8 GT/s DMI3

HP Intel Pentium G4400 processor 3.3 GHz 3 MB Smart Cache:

Options, accessories, services and support for all your HP and Compaq products.
HP Intel Pentium G4400. Processor family: Intel Pentium G, Processor socket: LGA 1151 (Socket H4), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 64 GB, Memory types supported by processor: DDR3L-SDRAM, DDR4-SDRAM. On-board graphics card model: Intel® HD Graphics 510, Maximum on-board graphics card memory: 64 GB, On-board graphics card outputs supported: DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI. Market segment: Desktop, PCI Express configurations: 1x16, 1x8+2x4, 2x8, Supported instruction sets: SSE4.1, SSE4.2. Compatibility: ProDesk 600 G2

Processor	
Processor model *	G4400
Processor base frequency *	3.3 GHz
Processor family *	Intel Pentium G
Processor cores *	2
Processor socket *	LGA 1151 (Socket H4)
Component for	PC
Processor lithography *	14 nm
Processor series	Intel Pentium G4400 series for Desktop
Processor threads	2
System bus rate	8 GT/s
Processor operating modes *	64-bit
Processor cache	3 MB
Processor cache type	Smart Cache
Thermal Design Power (TDP)	54 W
Stepping	R0
Bus type	DMI3
Memory bandwidth supported by processor (max)	34.1 GB/s
Processor codename	Skylake

Memory	
Maximum internal memory supported by processor	64 GB
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz
Memory voltage supported by processor	1.35 V
Memory channels *	Dual-channel
ECC	✔

Graphics	
On-board graphics card *	✔
On-board graphics card model *	Intel® HD Graphics 510
Maximum on-board graphics card memory	64 GB
On-board graphics card outputs supported	DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI
On-board graphics card base frequency	350 MHz

Features	
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Market segment	Desktop
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x8+2x4, 2x8
Supported instruction sets	SSE4.1, SSE4.2
Scalability	1S
CPU configuration (max)	1
Embedded options available	✔
Graphics & IMC lithography	14 nm
Thermal solution specification	PCG 2015C

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Turbo Boost Technology	✘
Intel® Quick Sync Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Wireless Display (Intel® WiDi)	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel® Insider™	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✘

Graphics	
On-board graphics card dynamic frequency (max)	1000 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz

Processor special features	
Intel® Small Business Advantage (Intel® SBA)	✗
Intel Clear Video Technology	✓
Intel Software Guard Extensions (Intel SGX)	✓
Intel 64	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Conflict-Free processor	✓
Intel® vPro™ Platform Eligibility	✗

Other features	
Compatibility	ProDesk 600 G2

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