

Intel Pentium Gold G5400 processor 3,7 GHz 4 MB Smart Cache

Merk : Intel

Productfamilie: Pentium

 Artikelcode:
CM8068403360112

Productnaam : G5400

Intel Pentium Gold G5400. Processorfamilie: Intel® Pentium® Gold, Processor socket: LGA 1151 (Socket H4), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 64 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. On-board graphics adapter model: Intel® UHD Graphics 610, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2. Type verpakking: Retaildoos



Processor		Kenmerken	
Processorfabrikant *	Intel	Commodity Classification Automated Tracking System (CCATS)	G077159
Processormodel *	G5400	Processor speciale functies	
Basisfrequentie processor *	3,7 GHz		
Processorfamilie *	Intel® Pentium® Gold	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Aantal processorkernen *	2	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® Turbo Boost Technology	✗
Component voor	PC	Intel® Quick Sync Video Technology	✓
Processor lithografie *	14 nm	Intel® InTru™ 3D Technology	✓
Processorserie	Intel Pentium Gold Series	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor aantal threads	4	Intel® AES New Instructions (Intel® AES-NI)	✓
Systeembus	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel® Trusted Execution Technology	✗
Processor cache	4 MB	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache type	Smart Cache	Intel® Transactional Synchronization Extensions	✗
Thermal Design Power (TDP)	58 W	Intel® Enhanced Halt State	✓
Box *	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	✓
Inclusief koeler *	✗	Intel® VT-x with Extended Page Tables (EPT)	✓
Bus type	DMI3	Intel® Secure Key	✓
Geheugenbandbreedte ondersteund door de processor (max)	37,5 GB/s	Intel® TSX-NI	✗
Codenaam processor	Coffee Lake	Intel® Stable Image Platform Program (SIPP)	✗
ARK ID processor	129951	Intel® OS Guard	✓
Geheugen		Intel® Clear Video-technologie	✓
Maximaal intern geheugen ondersteund door processor	64 GB	Intel® Software Guard Extensions (Intel® SGX)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® 64	✓
Klokgeheugen-snelheden ondersteund door processor	2400 MHz	Versie Intel® Identity Protection Technology	1,00
Geheugen kanaal *	Dubbelkanaals	Versie Intel® Secure Key Technology	1,00
ECC	✓	Versie Intel® Stable Image Platform Program (SIPP)	0,00
Grafisch			
Ingebouwde grafische adapter *	✓		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Intel® UHD Graphics 610		
Maximaal geheugen ingebouwde grafische adapter	64 GB		
Basisfrequentie ingebouwde grafische adapter	350 MHz		
Graphics on-board -adapter dynamische frequentie (max)	1050 MHz		

Grafisch		Processor speciale functies	
Aantal displays ondersteund (door on-board grafische adapter)	3	Intel® Virtualization Technology (VT-x)	✓
4K-ondersteuning	✓	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
On-board grafische adapter DirectX-versie	12.0	Versie Intel® TSX-NI	0,00
On-board grafische adapter OpenGL versie	4.5	Intel® Optane™ Memory Ready	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Intel® Boot Guard	✓
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Intel® vPro™ Platform Eligibility	✗
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2304 Pixels	Eisen aan de omgeving	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Tjunction	100 °C
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Technische details	
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	24 Hz	Bandbreedte bus	8
On-board grafische adapter ID	0x3E90/x93	Type buseenheden	GT/s
Discreet grafische adapter model *	Niet beschikbaar	Lanceringsdatum	Q2'18
Kenmerken		Maximale resolutie & verversingsfrequentie (DisplayPort)	4096x2304@60Hz
Execute Disable Bit	✓	Maximale resolutie & verversingsfrequentie (HDMI)	4096x2304@24Hz
Idle States	✓	Maximale resolutie & verversingsfrequentie (Integrated Flat Panel)	4096x2304@60Hz
Thermal Monitoring Technologies	✓	Processorcaché	4096 KB
Marktsegment	Desktop	Type product	Processor
Maximaal aantal PCI Express-lijnen	16	Status	Launched
PCI Express slots versie	3.0	Maximaal geheugen	64 GB
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Merknaam processor	Intel Pentium Gold (2017) Intel Pentium Gold Processor (2017)
Ondersteunde instructie sets	SSE4.1, SSE4.2	Ondersteunde geheugen types	DDR4-SDRAM
Schaalbaarheid	1S	Laatste wijziging	63903513
CPU configuratie (max)	1	Productfamilie	Intel Pentium Processor
Ingebouwde opties beschikbaar	✓	Bussnelheid	8 GT/s
Thermal solution specificatie	PCG 2015C	Maximaal geheugen grafische adapter	64 GB
PCI Express CEM revisie	3.0	Processor-id	0x3E90/x93
Export Control Classification Number (ECCN)	5A992C	Logistieke gegevens	
		Code geharmoniseerd systeem (HS)	8542310001
		Verpakking	
		Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	64 GB
		Maximaal intern geheugen	65536 MB



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Publication date: 13-MAR-2024. Prints or copies of Information are only valid on the printed Publication date