

Intel Pentium Gold G6405 processor 4,1 GHz 4 MB Smart Cache Box

Merk : Intel

Productfamilie: Pentium

Artikelcode: BX80701G6405

Productnaam : G6405



Intel Pentium Gold G6405. Processorfamilie: Intel® Pentium® Gold, Processor socket: LGA 1200 (Socket H5), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 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, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express configuraties: 1x16, 2x8, 1x8+2x4. Type verpakking: Retaildoos

Processor		Kenmerken	
Processorfabrikant *	Intel	PCI Express slots versie	3.0
Processormodel *	G6405	PCI Express configuraties	1x16, 2x8, 1x8+2x4
Basisfrequentie processor *	4,1 GHz	Ondersteunde instructie sets	SSE4.1, SSE4.2
Processorfamilie *	Intel® Pentium® Gold	Schaalbaarheid	1S
Aantal processorkernen *	2	CPU configuratie (max)	1
Processor socket *	LGA 1200 (Socket H5)	Ingebouwde opties beschikbaar	✗
Component voor	PC	Thermal solution specificatie	PCG 2015C
Processor lithografie *	14 nm	Export Control Classification Number (ECCN)	5A992C
Processor aantal threads	4	Commodity Classification Automated Tracking System (CCATS)	G077159
Systeembus	8 GT/s	Processor speciale functies	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	4 MB	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	✗
Thermal Design Power (TDP)	58 W	Intel® Quick Sync Video Technology	✓
Box *	✓	Intel® InTru™ 3D Technology	✓
Geheugenbandbreedte ondersteund door de processor (max)	41,6 GB/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Codenaam processor	Comet Lake	Intel® AES New Instructions (Intel® AES-NI)	✓
ARK ID processor	201901	Enhanced Intel SpeedStep Technology	✓
Geheugen		Intel® Trusted Execution Technology	✗
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Thermal Velocity Boost	✗
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Transactional Synchronization Extensions	✗
Klokgeheugen-snelheden ondersteund door processor	2666 MHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Geheugen kanaal *	Dubbelkanaals	Intel® Secure Key	✓
Geheugen bandbreedte (max)	41,6 GB/s	Intel® Stable Image Platform Program (SIPP)	✗
Grafisch		Intel® OS Guard	✓
Ingebouwde grafische adapter *	✓	Intel® Clear Video-technologie	✓
Aparte grafische adapter *	✗	Intel® Software Guard Extensions (Intel® SGX)	✓
On-board graphics adapter model *	Intel® UHD Graphics 610	Intel® 64	✓
Maximaal geheugen ingebouwde grafische adapter	64 GB	Intel® Virtualization Technology (VT-x)	✓
Basisfrequentie ingebouwde grafische adapter	350 MHz		
Graphics on-board -adapter dynamische frequentie (max)	1050 MHz		
Aantal displays ondersteund (door on-board grafische adapter)	3		
4K-ondersteuning	✓		

Grafisch		Processor speciale functies	
On-board grafische adapter DirectX-versie	12.0	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
On-board grafische adapter OpenGL versie	4.5	Intel® Turbo Boost Max Technology 3.0	✗
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Intel® Optane™ Memory Ready	✓
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Intel® Boot Guard	✓
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Intel® vPro™ Platform Eligibility	✗
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Eisen aan de omgeving	
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Tjunction	100 °C
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	30 Hz	Technische details	
On-board grafische adapter ID	0x9BA8	Lanceringsdatum	Q1'21
Discreet grafische adapter model *	Niet beschikbaar	Status	Launched
Kenmerken		Ondersteunde geheugen types	DDR4-SDRAM
Execute Disable Bit	✓	Logistieke gegevens	
Idle States	✓	Code geharmoniseerd systeem (HS)	85423119
Thermal Monitoring Technologies	✓	Verpakking	
Marktsegment	Desktop	Type verpakking	Retaildoos
Gebruiksvoorwaarden	PC/Client/Tablet	Gewicht en omvang	
Maximaal aantal PCI Express-lijnen	16	Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB



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