

Intel Pentium G4560 processor 3.5 GHz 3 MB Smart Cache Box

Brand : Intel

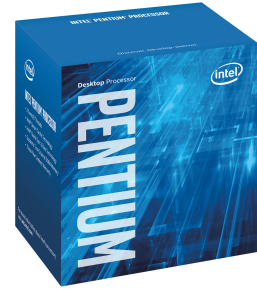
Product family: Pentium

Product code:
BXC80677G4560

Product name : G4560

Intel® Pentium® Processor G4560
(3M Cache, 3.50 GHz)

Intel Pentium G4560. 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: DDR4-SDRAM, DDR3L-SDRAM. On-board graphics card model: Intel® HD Graphics 610, Maximum on-board graphics card memory: 64 GB, On-board graphics card base frequency: 350 MHz. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2. Package type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	G4560	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor base frequency *	3.5 GHz	Intel® Turbo Boost Technology	✗
Processor family *	Intel Pentium G	Intel® Quick Sync Video Technology	✓
Processor cores *	2	Intel® InTru™ 3D Technology	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Component for	PC	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography *	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Pentium G4500 Series For Desktop	Intel Trusted Execution Technology	✗
Processor threads	4	Intel® Memory Protection Extensions (Intel® MPX)	✓
System bus rate	8 GT/s	Intel® Transactional Synchronization Extensions	✗
Processor operating modes *	64-bit	Intel Enhanced Halt State	✓
Processor cache	3 MB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	54 W	Intel® Secure Key	✓
Box *	✓	Intel TSX-NI	✗
Cooler included *	✓	Intel Stable Image Platform Program (SIPP)	✗
Compatible chipsets	Intel® B150, Intel® H110, Intel® H170, Intel Q150, Intel® Q170, Intel® Z170	Intel® OS Guard	✓
Stepping	B0	Intel Clear Video Technology	✓
Bus type	DMI3	Intel Software Guard Extensions (Intel SGX)	✓
Processor codename	Kaby Lake		
Processor code	SR32Y		
Processor ARK ID	97143		
Memory			
Maximum internal memory supported by processor	64 GB		

Memory		Processor special features	
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM	Intel 64	✓
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel Identity Protection Technology version	1.00
Memory voltage supported by processor	1.35 V	Intel Secure Key Technology version	1.00
Memory channels *	Dual-channel	Intel Stable Image Platform Program (SIPP) version	0.00
ECC	✓	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® HD Graphics 610	Conflict-Free processor	✓
Maximum on-board graphics card memory	64 GB	Intel® Optane™ Memory Ready	✗
On-board graphics card base frequency	350 MHz	Intel® Boot Guard	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Intel® vPro™ Platform Eligibility	✗
Number of displays supported (on-board graphics)	3	Operational conditions	
On-board graphics card 4K support	✓	Tjunction	100 °C
On-board graphics card DirectX version	12.0	Technical details	
On-board graphics card OpenGL version	4.4	Bus bandwidth	8
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Bus type units	GT/s
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Launch date	Q1'17
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Processor cache	3072 KB
On-board graphics card ID	0x5902	Product type	Processor
Features		Status	Discontinued
Execute Disable Bit	✓	Maximum memory	64 GB
Idle States	✓	Processor brand name	Intel Pentium
Thermal Monitoring Technologies	✓	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
Market segment	Desktop	Last change	63903513
Maximum number of PCI Express lanes	16	Product family	Intel Pentium Processor
PCI Express slots version	3.0	Bus speed	8 GT/s
PCI Express configurations	1x16, 2x8, 1x8+2x4	Maximum graphics card memory	64 GB
Supported instruction sets	SSE4.1, SSE4.2	Processor ID	0x5902
Scalability	1S	Logistics data	
CPU configuration (max)	1	Harmonized System (HS) code	8542310001
Embedded options available	✗	Packaging data	
Thermal solution specification	PCG 2015C	Package type	Retail box
PCI Express CEM revision	3.0	Weight & dimensions	
Export Control Classification Number (ECCN)	5A992C	Processor package size	37.5mm x 37.5mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Other features	
		Maximum internal memory	64 GB
		Maximum internal memory	65536 MB
		Video decoding	✓



5032037095754



0735858329682



735858329682

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.