

Intel Pentium G3460 processor 3.5 GHz 3 MB Smart Cache Box

Brand : Intel

Product family: Pentium

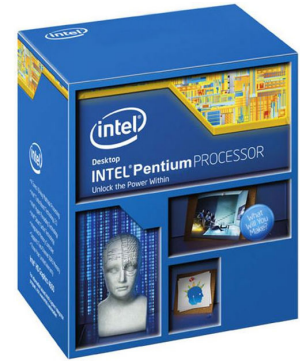
Product code:
BXC80646G3460

Product name : G3460

Intel® Pentium® Processor G3460
(3M Cache, 3.50 GHz)

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A PC with the improved Intel® Pentium® processor unites great performance with everyday tasks. You get reliable PC performance that lets you communicate with friends and family, enjoy entertainment online, and make the most of music and photos. An Intel Pentium processor delivers the Intel-level performance you expect and quality you can count on.



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor model *	G3460	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor base frequency *	3.5 GHz	Intel® My WiFi Technology (Intel® MWT)	✗
Processor family *	Intel Pentium G	Intel® Turbo Boost Technology	✗
Processor cores *	2	Intel® Quick Sync Video Technology	✓
Processor socket *	LGA 1150 (Socket H3)	Intel® InTru™ 3D Technology	✗
Component for	PC	Intel® Wireless Display (Intel® WiDi)	✓
Processor lithography *	22 nm	Intel FDI Technology	✗
Processor series	Intel Pentium G3000 series for Desktop	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor threads	2	Intel Dual Display Capable Technology	✗
System bus rate	5 GT/s	Intel® Insider™	✗
Processor operating modes *	64-bit	Intel Fast Memory Access	✗
Processor cache	3 MB	Intel Flex Memory Access	✗
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Thermal Design Power (TDP)	53 W	Intel® AES New Instructions (Intel® AES-NI)	✗
Box *	✓	Enhanced Intel SpeedStep Technology	✓
Cooler included *	✓	Intel Trusted Execution Technology	✗
Compatible chipsets	Intel® Z97	Intel® Transactional Synchronization Extensions	✗
Stepping	C0	Intel Enhanced Halt State	✓
FSB Parity	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Bus type	DMI		
Memory bandwidth supported by processor (max)	25.6 GB/s		
Processor codename	Haswell		
Processor code	SR1K3		
Processor ARK ID	83428		

Memory		Processor special features	
Maximum internal memory supported by processor	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Intel Demand Based Switching	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel® Secure Key	✓
Memory channels *	Dual-channel	Intel TSX-NI	✗
ECC	✓	Intel Rapid Storage Technology	✗
Graphics		Intel Stable Image Platform Program (SIPP)	✗
On-board graphics card *	✓	Intel Clear Video Technology	✗
On-board graphics card model *	Intel® HD Graphics	Intel 64	✓
Maximum on-board graphics card memory	1.7 GB	Intel Secure Key Technology version	1.00
On-board graphics card outputs supported	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI, VGA (D-Sub)	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card base frequency	350 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Number of displays supported (on-board graphics)	3	Intel TSX-NI version	0.00
On-board graphics card DirectX version	11.1	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.3	Intel® Optane™ Memory Ready	✗
On-board graphics card maximum resolution (DisplayPort)	2560 x 1600 pixels	Intel® vPro™ Platform Eligibility	✗
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	2560 x 1600 pixels	Operational conditions	
On-board graphics card maximum resolution (HDMI)	1920 x 1080 pixels	Tcase	72 °C
On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels	Technical details	
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Bus bandwidth	5
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Bus type units	GT/s
On-board graphics card refresh rate at maximum resolution (HDMI)	60 Hz	Launch date	Q3'14
On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz	Maximum resolution & refresh rate (DisplayPort)	2560x1600@60Hz
Features		Maximum resolution & refresh rate (HDMI)	1920x1080@60Hz
Execute Disable Bit	✓	Maximum resolution & refresh rate (Integrated Flat Panel)	2560x1600@60Hz
Idle States	✓	Maximum resolution & refresh rate (VGA)	1920x1200@60Hz
Thermal Monitoring Technologies	✓	Number of graphics cores	10
Market segment	Desktop	Processor cache	3072 KB
Maximum number of PCI Express lanes	16	Product type	Processor
PCI Express slots version	3.0	Status	Discontinued
PCI Express configurations	1x16, 2x8, 1x8+2x4	Maximum memory	32 GB
Supported instruction sets	SSE4.1, SSE4.2	Processor brand name	Intel Pentium
Bandwidth	5 MB/s	Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
Scalability	1S	Last change	63903513
CPU configuration (max)	1	Product family	Intel Pentium Processor
Embedded options available	✗	Bus speed	5 GT/s
Graphics & IMC lithography	22 nm	Maximum graphics card memory	1.7 GB
Thermal solution specification	PCG 2013C	Logistics data	
Export Control Classification Number (ECCN)	3A991	Harmonized System (HS) code	8542310001
Commodity Classification Automated Tracking System (CCATS)	NA	Packaging data	
		Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB
		Graphics output	eDP/DP/HDMI/DVI/VGA



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