

Intel Pentium G4400 processor 3.3 GHz 3 MB Smart Cache Box

Brand : Intel

Product family: Pentium

Product code:
BXC80662G4400

Product name : G4400

Intel® Pentium® Processor G4400
(3M Cache, 3.30 GHz)

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Embedded Options Available

Embedded Options Available indicates products that offer extended purchase availability for intelligent systems and embedded solutions. Product certification and use condition applications can be found in the Production Release Qualification (PRQ) report. See your Intel representative for details.

Conflict Free

“Conflict free” means “DRC conflict free”, which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries.

Execute Disable Bit

Execute Disable Bit is a hardware-based security feature that can reduce exposure to viruses and malicious-code attacks and prevent harmful software from executing and propagating on the server or network.



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	✗
Processor model *	G4400	Intel® Quick Sync Video Technology	✓
Processor base frequency *	3.3 GHz	Intel® InTru™ 3D Technology	✓
Processor family *	Intel Pentium G	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores *	2	Intel FDI Technology	✗
Processor socket *	LGA 1151 (Socket H4)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Component for	PC	Intel Dual Display Capable Technology	✗
Processor lithography *	14 nm	Intel® Insider™	✓
Processor series	Intel Pentium G4400 series for Desktop	Intel Fast Memory Access	✗
Processor threads	2	Intel Flex Memory Access	✗
System bus rate	8 GT/s	Intel® Smart Cache	✓
Processor operating modes *	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache	3 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Thermal Design Power (TDP)	54 W	Intel® Memory Protection Extensions (Intel® MPX)	✗
Box *	✓	Intel® Transactional Synchronization Extensions	✗
Cooler included *	✓	Intel Enhanced Halt State	✓
Stepping	R0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
FSB Parity	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	DMI3		
Memory bandwidth supported by processor (max)	34.1 GB/s		
Processor codename	Skylake		
Processor code	SR2DC		
Processor ARK ID	88179		

Memory		Processor special features	
Maximum internal memory supported by processor	64 GB	Intel Demand Based Switching	✗
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM	Intel® Secure Key	✓
Memory clock speeds supported by processor	1866,1333,2133,1600 MHz	Intel TSX-NI	✗
Memory voltage supported by processor	1.35 V	Intel Rapid Storage Technology	✗
Memory channels *	Dual-channel	Intel Stable Image Platform Program (SIPP)	✗
ECC	✓	Intel® OS Guard	✗
Graphics		Intel® Small Business Advantage (Intel® SBA)	✗
On-board graphics card *	✓	Intel Clear Video Technology	✓
On-board graphics card model *	Intel® HD Graphics 510	Intel Software Guard Extensions (Intel SGX)	✓
Maximum on-board graphics card memory	64 GB	Intel 64	✓
On-board graphics card outputs supported	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI	Intel Identity Protection Technology version	1.00
On-board graphics card base frequency	350 MHz	Intel Secure Key Technology version	1.00
On-board graphics card dynamic frequency (max)	1000 MHz	Intel Small Business Advantage (SBA) version	0.00
Number of displays supported (on-board graphics)	3	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card 4K support	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card DirectX version	12.0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card OpenGL version	4.4	Intel TSX-NI version	0.00
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Conflict-Free processor	✓
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Intel® Optane™ Memory Ready	✗
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Intel® Boot Guard	✓
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Intel® vPro™ Platform Eligibility	✗
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Technical details	
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Bus bandwidth	8
On-board graphics card ID	0x1902	Bus type units	GT/s
Features		Launch date	Q3'15
Execute Disable Bit	✓	Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
Idle States	✓	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
Thermal Monitoring Technologies	✓	Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
Market segment	Desktop	Maximum resolution & refresh rate (VGA)	N/A
Maximum number of PCI Express lanes	16	Processor cache	3072 KB
PCI Express slots version	3.0	Product type	Processor
PCI Express configurations	1x16, 2x8, 1x8+2x4	Status	Launched
Supported instruction sets	SSE4.1, SSE4.2	Maximum memory	64 GB
Bandwidth	8 MB/s	Processor brand name	Intel Pentium
Scalability	1S	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
CPU configuration (max)	1	Last change	63903513
Embedded options available	✓	Maximum resolution (WiDi)	1080p
Graphics & IMC lithography	14 nm	Product family	Intel Pentium Processor
Thermal solution specification	PCG 2015C	Bus speed	8 GT/s
PCI Express CEM revision	3.0	Maximum graphics card memory	64 GB
Export Control Classification Number (ECCN)	5A992C	Processor ID	0x1902
Commodity Classification Automated Tracking System (CCATS)	G077159	Servicing status	End of Servicing Lifetime
		End of servicing updates date	Friday, September 30, 2022
		Logistics data	
		Harmonized System (HS) code	8542310001
		Packaging data	
		Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm

Processor special features		Other features	
Intel® Anti-Theft Technology (Intel® AT)	✘	Maximum internal memory	64 GB
Intel® Hyper Threading Technology (Intel® HT Technology)	✘	Maximum internal memory	65536 MB
Intel® Identity Protection Technology (Intel® IPT)	✔	Graphics output	eDP/DP/HDMI/DVI
Intel® My WiFi Technology (Intel® MWT)	✘	Cache memory	3 MB
		Video decoding	✔



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