

Intel Core i3-8350K processor 4 GHz 8 MB Smart Cache

Brand : Intel

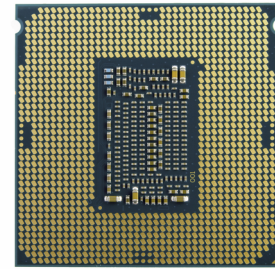
Product family: Core

Product code:
CM8068403376809

Product name : i3-8350K

Intel® Core™ i3-8350K Processor
(8M Cache, 4.00 GHz)

Intel Core i3-8350K. Processor family: Intel® Core™ i3, 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. On-board graphics card model: Intel® UHD Graphics 630, Maximum on-board graphics card memory: 64 GB, On-board graphics card outputs supported: DisplayPort, Embedded DisplayPort (eDP), HDMI. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Package type: Retail box



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	G077159
Processor generation	8th gen Intel® Core™ i3	Automated Tracking System (CCATS)	
Processor model *	i3-8350K	Processor special features	
Processor base frequency *	4 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor family *	Intel® Core™ i3	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores *	4	Intel® Turbo Boost Technology	✗
Processor socket *	LGA 1151 (Socket H4)	Intel® Quick Sync Video Technology	✓
Component for	PC	Intel® InTru™ 3D Technology	✓
Processor lithography *	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✗
Processor cache	8 MB	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache type	Smart Cache	Intel® Device Protection Technology (Intel® DPT) with Boot Guard	✓
Thermal Design Power (TDP)	91 W	Intel® Transactional Synchronization Extensions	✗
Box *	✗	Intel Enhanced Halt State	✓
Cooler included *	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Generation	8th Generation	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	DMI3	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	37.5 GB/s		
Processor codename	Coffee Lake		
Processor code	SR3N4		
Processor ARK ID	126689		
Memory			
Maximum internal memory supported by processor	64 GB		
Memory types supported by processor	DDR4-SDRAM		

Memory		Processor special features	
Memory clock speeds supported by processor	2400 MHz	Intel TSX-NI	✗
Memory channels *	Dual-channel	Intel Stable Image Platform Program (SIPP)	✗
ECC	✓	Intel® OS Guard	✓
Graphics		Intel Clear Video Technology	✓
On-board graphics card *	✓	Intel Software Guard Extensions (Intel SGX)	✓
On-board graphics card model *	Intel® UHD Graphics 630	Intel 64	✓
Maximum on-board graphics card memory	64 GB	Intel Identity Protection Technology version	1.00
On-board graphics card outputs supported	DisplayPort, Embedded DisplayPort (eDP), HDMI	Intel Secure Key Technology version	1.00
On-board graphics card base frequency	350 MHz	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Virtualization Technology (VT-x)	✓
Number of displays supported (on-board graphics)	3	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card 4K support	✓	Intel TSX-NI version	0.00
On-board graphics card DirectX version	12.0	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.5	Intel® Optane™ Memory Ready	✓
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Intel® Boot Guard	✓
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Intel® vPro™ Platform Eligibility	✗
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Operational conditions	
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Tjunction	100 °C
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	0x3E91	Bus type units	GT/s
Number of execution units	23	Launch date	Q4'17
Features		Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
Execute Disable Bit	✓	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
Idle States	✓	Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
Thermal Monitoring Technologies	✓	Processor cache	8192 KB
Market segment	Desktop	Product type	Processor
Maximum number of PCI Express lanes	16	Status	Discontinued
PCI Express slots version	3.0	Maximum memory	64 GB
PCI Express configurations	1x16, 2x8, 1x8+2x4	Processor brand name	8th Gen Intel Core i3 8th Gen Intel Core i3 Processor
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Supported memory types	DDR4-SDRAM
Scalability	1S	Last change	63903513
CPU configuration (max)	1	Product family	Intel Core Processors
Embedded options available	✗	Bus speed	8 GT/s
Thermal solution specification	PCG 2015D	Maximum graphics card memory	64 GB
PCI Express CEM revision	3.0	Processor ID	0x3E91
Export Control Classification Number (ECCN)	5A992C	Logistics data	
		Harmonized System (HS) code	8542310001
		Packaging data	
		Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	64 GB
		Maximum internal memory	65536 MB



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