

Intel Core i3-7300 processor 4 GHz 4 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code: BX80677I37300

Product name : i3-7300

Intel® Core™ i3-7300 Processor
(4M Cache, 4.00 GHz)

Intel Core i3-7300. 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, DDR3L-SDRAM. On-board graphics card model: Intel® HD 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

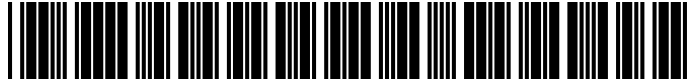


Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	G077159
Processor generation	7th gen Intel® Core™ i3	Automated Tracking System (CCATS)	
Processor model *	i3-7300	Processor special features	
Processor base frequency *	4 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i3	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores *	2	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 series	Intel Core i3-7300 Desktop Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
System bus rate	8 GT/s	Intel Trusted Execution Technology	✗
Processor operating modes *	64-bit	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache	4 MB	Intel® Transactional Synchronization Extensions	✗
Processor cache type	Smart Cache	Intel Enhanced Halt State	✓
Thermal Design Power (TDP)	51 W	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Box *	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Cooler included *	✓	Intel® Secure Key	✓
Generation	7th Generation	Intel TSX-NI	✗
Stepping	S0	Intel Stable Image Platform Program (SIPP)	✗
Bus type	DMI3		
Processor codename	Kaby Lake		
Processor code	SR359		
Processor ARK ID	97458		
Memory			
Maximum internal memory supported by processor	64 GB		
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM		

Memory		Processor special features	
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel® OS Guard	✓
Memory voltage supported by processor	1.35 V	Intel Clear Video Technology	✓
Memory channels *	Dual-channel	Intel Software Guard Extensions (Intel SGX)	✓
ECC	✓	Intel 64	✓
Graphics		Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Secure Key Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Stable Image Platform Program (SIPP) version	0.00
Maximum on-board graphics card memory	64 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card outputs supported	DisplayPort, Embedded DisplayPort (eDP), HDMI	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	350 MHz	Intel TSX-NI version	0.00
On-board graphics card dynamic frequency (max)	1150 MHz	Conflict-Free processor	✓
Number of displays supported (on-board graphics)	3	Intel® Optane™ Memory Ready	✓
On-board graphics card 4K support	✓	Intel® Boot Guard	✓
On-board graphics card DirectX version	12.0	Intel® vPro™ Platform Eligibility	✗
On-board graphics card OpenGL version	4.5	Operational conditions	
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Tjunction	100 °C
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Technical details	
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Bus bandwidth	8
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Bus type units	GT/s
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Launch date	Q1'17
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
On-board graphics card ID	0x5912	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
Features		Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
Execute Disable Bit	✓	Processor cache	4096 KB
Idle States	✓	Product type	Processor
Thermal Monitoring Technologies	✓	Status	Discontinued
Market segment	Desktop	Maximum memory	64 GB
Maximum number of PCI Express lanes	16	Processor brand name	7th Gen Intel Core i3 processors
PCI Express slots version	3.0	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
PCI Express configurations	1x16, 2x8, 1x8+2x4	Last change	63903513
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Product family	7th Generation Intel Core i3 Processors
Scalability	1S	Bus speed	8 GT/s
CPU configuration (max)	1	Maximum graphics card memory	64 GB
Embedded options available	✗	Processor ID	0x5912
Thermal solution specification	PCG 2015C	Logistics data	
PCI Express CEM revision	3.0	Harmonized System (HS) code	8542310001
Export Control Classification Number (ECCN)	5A992C	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
		Video decoding	✓



0735858330169



735858330169



5032037096232



0735858329316



735858329316

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.