Intel® Core™ i5-7500T Processor

6M Cache, up to 3.30 GHz

Product Collection	7th Generation Intel® Core™ i5 Processors	Status	Launched
Launch Date	Q1'17	Max Turbo Frequency	3.30 GHz
Processor Base Frequency	2.70 GHz	Cache	6 MB SmartCache
Processor Graphics ‡	Intel® HD Graphics 630	# of Cores	4

Ordering and spec information

Boxed Intel® Core™ i5-7500T Processor (6M Cache, up to 3.30 GHz) FC-LGA14C, Box

Spec Code	SR337
Ordering Code	BX80677I57500T
Step	B0
RCP	$202.00

Boxed Intel® Core™ i5-7500T Processor (6M Cache, up to 3.30 GHz) FC-LGA14C, Box China

Spec Code	SR337
Ordering Code	BXC80677I57500T
Step	B0

Intel® Core™ i5-7500T Processor (6M Cache, up to 3.30 GHz) FC-LGA14C, Tray

Spec Code	SR337
Ordering Code	CM8067702868115
Step	B0
RCP	$192.00

Trade compliance information

ECCN	5A992C
CCATS	G077159
US HTS	8542310001

PCN/MDDS Information

SR337	
953003	PCN	MDDS
954221	MDDS
954228	MDDS

Essentials

Export specifications

Product Collection	7th Generation Intel® Core™ i5 Processors	Code Name	Products formerly Kaby Lake
Vertical Segment	Desktop	Processor Number	i5-7500T
Status	Launched	Launch Date ?	Q1'17
Lithography ?	14 nm	Recommended Customer Price ?	$192.00 - $202.00

Performance

# of Cores ?	4	# of Threads ?	4
Processor Base Frequency ?	2.70 GHz	Max Turbo Frequency ?	3.30 GHz
Cache ?	6 MB SmartCache	Bus Speed ?	8 GT/s DMI3
# of QPI Links ?	0	TDP ?	35 W
Configurable TDP-down Frequency ?	1.70 GHz		

Supplemental Information

Embedded Options Available ? 🔍	Yes	Conflict Free ?	Yes
Datasheet	View now		

Learn how Intel is pursuing conflict-free technology. CF CONFLICT FREE

Memory Specifications

Max Memory Size (dependent on memory type) ?	64 GB	Memory Types ?	DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V
Max # of Memory Channels ?	2	ECC Memory Supported ‡ ? 🔍	No

Graphics Specifications

Processor Graphics ‡ ?	Intel® HD Graphics 630	Graphics Base Frequency ?	350.00 MHz
Graphics Max Dynamic Frequency ?	1.10 GHz	Graphics Video Max Memory ?	64 GB
4K Support ?	Yes, at 60Hz	Max Resolution (HDMI 1.4)‡ ?	4096x2304@24Hz
Max Resolution (DP)‡ ?	4096x2304@60Hz	Max Resolution (eDP - Integrated Flat Panel)‡ ?	4096x2304@60Hz
DirectX* Support ?	12	OpenGL* Support ?	4.4
Intel® Quick Sync Video ? 🔍	Yes	Intel® InTru™ 3D Technology ?	Yes
Intel® Clear Video HD Technology ?	Yes	Intel® Clear Video Technology ?	Yes
# of Displays Supported ‡	3	Device ID	0x5912

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Expansion Options

Scalability	1S Only	PCI Express Revision ?	3.0
PCI Express Configurations ‡ ?	Up to 1x16, 2x8, 1x8+2x4	Max # of PCI Express Lanes ?	16

Package Specifications

Sockets Supported ?	FCLGA1151	Max CPU Configuration	1
Thermal Solution Specification ?	PCG 2015A (35W)	T$_{JUNCTION}$?	80°C
Package Size	37.5mm x 37.5mm	Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Optane™ Memory Supported ‡ ?	Yes	Intel® Turbo Boost Technology ‡ ?	2.0
Intel® vPro Technology ‡ ? 🔍	Yes	Intel® Virtualization Technology (VT-x) ‡ ?	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡ ? 🔍	Yes	Intel® VT-x with Extended Page Tables (EPT) ‡ ? 🔍	Yes
Intel® TSX-NI ?	Yes	Intel® 64 ‡ ? 🔍	Yes
Instruction Set ?	64-bit	Instruction Set Extensions ?	SSE4.1/4.2, AVX 2.0
Idle States ?	Yes	Enhanced Intel SpeedStep® Technology ? 🔍	Yes
Thermal Monitoring Technologies ?	Yes	Intel® Identity Protection Technology ‡ ?	Yes
Intel® Stable Image Platform Program (SIPP) ?	Yes		

Intel® Data Protection Technology

Intel® AES New Instructions ? 🔍	Yes	Secure Key ?	Yes
Intel® Software Guard Extensions (Intel® SGX) ?	Yes	Intel® Memory Protection Extensions (Intel® MPX) ?	Yes

Intel® Platform Protection Technology

OS Guard	Yes	Trusted Execution Technology ‡ ? 🔍	Yes
Execute Disable Bit ‡ ?	Yes	Intel® Device Protection Technology with Boot Guard ?	Yes

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