



Intel Core i5-7600T 2.8 GHz Quad-Core Processor

\$249.95

Product Images



Short Description

The Core i5-7600T 2.8 GHz Quad-Core Processor from Intel features a base clock speed of 2.8 GHz, Intel Turbo Boost 2.0, and Intel Hyper-Threading technology. With Intel Turbo Boost 2.0 technology, the maximum turbo frequency this processor can achieve is 3.7 GHz. Additionally, this processor features four cores with four threads in an LGA 1151 socket and has 6MB of cache memory.

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Specifications

Intel i5-7600T Specs

Essentials

Processor Number i5-7600T

Lithography 14 nm

Performance

Number of Cores 4

Number of Threads 4

Processor Base Frequency 2.8 GHz

Cache 6 MB SmartCache

Bus Speed 8 GT/s DMI3

of QPI Links 0

TDP 35 W

Configurable TDP-down Frequency 1.80 GHz

Supplemental Information

Embedded Options Available	No
Conflict Free	Yes
Memory Specifications	
Max Memory Size	64 GB
Memory Types	DDR4-2133/2400, DDR3L-1333/1600 @ 1.35 V
Max Number of Memory Channels	2
ECC Memory Supported	No
Graphics Specifications	
Processor Graphics	Intel HD Graphics 630
Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Graphics Video Max Memory	64 GB
4K Support	Yes, at 60 Hz
Max Resolution (HDMI 1.4)	4096 x 2304 @ 24 Hz
Max Resolution (DP)	4096 x 2304 @ 60 Hz
Max Resolution (eDP - Integrated Flat Panel)	4096 x 2304 @ 60 Hz
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 HD Technology	Yes
Intel Clear Video Technology	Yes
# of Displays Supported	3
Device ID	0x5912
Expansion Options	
Scalability	1S Only
PCI Express Revision	3.0
PCI Express Configurations	Up to 1x16, 2x8, 1x8+2x4

Max Number of PCI Express Lanes 16

Package Specifications

Sockets Supported	FCLGA1151
Max CPU Configuration	1
Thermal Solution Specification	PCG 2015D (130 W)
TJUNCTION	212°F (100°C)
Package Size	1.5 x 1.5" (37.5 x 37.5 mm)

Advanced Technologies

Intel Turbo Boost Technology	2.0
Intel vPro Technology	Yes
Intel Hyper-Threading Technology	Yes
Intel Virtualization Technology (VT-x)	Yes
Intel Virtualization Technology for Directed I/O	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

Packaging Info

Package Weight	0.5 lb
Box Dimensions (LxWxH)	4.6 x 4.3 x 2.9"

Additional Information

Brand	Intel
SKU	BX80677157600T
Weight	1.0000
Compatibilty	Intel LGA 1151
Series	Core i5
Cores	4
Core Name	Kabylake-X
Operating Frequency	2.8 GHz
Hyper Threading Support	No
Threads	4

