

Intel[®] Core[™] i7-7700 Processor

8M Cache, up to 4.20 GHz

Ordering and spec information

Boxed Intel® Core™ i7-7700 Processor (8M Cache, up to 4.20 GHz) FC-LGA14C, Box		
Spec Code	SR338	
Ordering Code	BX80677I77700	
Step	ВО	
RCP	\$312.00	
Boxed Intel® Core™ i7-7700 Processor (8M Cache, up to 4.20 GHz) FC-LGA14C, Box China		
Spec Code	SR338	
Ordering Code	BXC80677I77700	
Step	В0	
Intel [®] Core™ i7-7700 Processor (8M Cache, up to 4.20 GHz) FC- LGA14C, Tray		
Spec Code	SR338	
Ordering Code	CM8067702868314	
Step	В0	
RCP	\$303.00	

Trade compliance information

ECCN	5A992C
CCATS	G077159
US HTS	8542310001

PCN/MDDS Information



Essentials



Export specifications

Code Name	Products formerly Kaby Lake
Processor Number	i7-7700
Launch Date ?	Q1'17
Recommended Custome	Price ? \$303.00 - \$312.00

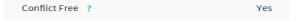
Performance





Supplemental Information







Memory Specifications

Max Memory Size (dependent on memory type) ?	64 GB
Max # of Memory Channels ?	2

Memory Types ?	DDR4-2133/2400, DDR	3L-1333/1600 @ 1.35V
ECC Memory S	upported ‡ ? Q	No

Graphics Specifications

Processor Graphics † ?	Intel® HD Graphics 630
Graphics Max Dynamic Freque	ency ? 1.15 GHz
4K Support ?	Yes, at 60Hz
Max Resolution (DP)‡ ?	4096x2304@60Hz
DirectX* Support ?	12
Intel® Quick Sync Video ?	Yes
Intel [®] Clear Video HD Technol	ogy ? Yes
# of Displays Supported ‡	3

Graphics Base Frequency ?	350.00 MHz
Graphics Video Max Memory ?	64 GB
Max Resolution (HDMI 1.4)‡ ?	4096x2304@24Hz
Max Resolution (eDP - Integrated Flat Panel)‡ ?	4096x2304@60Hz
OpenGL* Support ?	4.4
Intel [®] InTru [™] 3D Technology ?	Yes
Intel® Clear Video Technology ?	Yes
Device ID	0x5912



Optimize popular games to play on Intel Graphics

Expansion Options

Scalability	1S Only
PCI Express Configurations	Up to 1x16, 2x8, 1x8+2x4

PCI Express Revision ?		3.0
Max # of PCI Express Lanes	?	16

Package Specifications

Sockets Supported ?	FCLGA1151
Thermal Solution Specification ?	PCG 2015C (65W)
Package Size	37.5mm x 37.5mm

Max CPU Configuration	1
TJUNCTION ?	100°C
Low Halogen Options Available	See MDDS

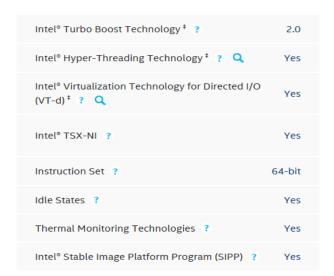
Intel® Data Protection Technology



Secure Key ?	Yes
Intel® Memory Protection Extensions (Intel® MPX) ?	Yes

Advanced Technologies

Intel® Optane™ Memory Supported ‡ ?	Yes
Intel® vPro Technology † ? Q	Yes
Intel® Virtualization Technology (VT-x) * ?	Yes
Intel® VT-x with Extended Page Tables (EPT) * ? Q	Yes
Intel® 64 ‡ ? Q	Yes
Instruction Set Extensions ? SSE4.1/4.2, A	VX 2.0
Enhanced Intel SpeedStep® Technology ? Q	Yes
Intel® Identity Protection Technology * ?	Yes



Intel® Platform Protection Technology



Trusted Execution Technology † ? Q	Yes
Intel® Device Protection Technology with Boot Guard ?	Yes

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