



# Intel® Core™ i3-7101E Processor

3M Cache, 3.90 GHz

Spec Code

SR32Z

Ordering Code

CM8067702867060

## Intel® Core™ i3-7101E Processor (3M Cache, 3.90 GHz)

Code Name	Kaby Lake
<b>Essentials</b>	
Vertical Segment	Desktop
Processor Number	i3-7101E
Status	Launched
Launch Date	Q1'17
Lithography	14 nm
Recommended Customer Price	\$117.00
<b>Performance</b>	
# of Cores	2
# of Threads	4
Processor Base Frequency	3.90 GHz
Cache	3 MB SmartCache
TDP	54 W
<b>Supplemental Information</b>	
<u>Embedded Options Available</u>	<u>Yes</u>
Conflict Free	Yes
Datasheet	<a href="#">Link</a>
<b>Memory Specifications</b>	
Max Memory Size (dependent on memory type)	64 GB
<u>Memory Types</u>	DDR3L-1600, DDR4-2400
Max # of Memory Channels	2
Max Memory Bandwidth	34.1 GB/s

ECC Memory Supported ‡	Yes
<b>Graphics Specifications</b>	
Processor Graphics ‡	Intel® HD Graphics 630
<u>Graphics Base Frequency</u>	<u>350 MHz</u>
Graphics Max Dynamic Frequency	1.10 GHz
Graphics Video Max Memory	64 GB
Graphics Output	eDP/DP/HDMI/DVI
<u>4K Support</u>	<u>Yes, at 60Hz</u>
Max Resolution (HDMI 1.4)‡	4096x2304@30Hz
Max Resolution (DP)‡	4096x2304@60Hz
Max Resolution (eDP - Integrated Flat Panel)‡	4096x2304@60Hz
Max Resolution (VGA)‡	N/A
<u>DirectX* Support</u>	<u>12</u>
OpenGL* Support	4.4
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Clear Video HD Technology	Yes
# of Displays Supported ‡	3
Device ID	0x5902
<b>Expansion Options</b>	
Scalability	1S Only
PCI Express Revision	3.0
PCI Express Configurations ‡	1x16,2x8,1x8+2x4
Max # of PCI Express Lanes	16
<b>Package Specifications</b>	
<u>Sockets Supported</u>	<u>FCLGA1151</u>
Max CPU Configuration	1
T<sub>JUNCTION</sub>	100°C
Package Size	37.5mm x 37.5mm
Low Halogen Options Available	See MDDS
<b>Advanced Technologies</b>	
Intel® Optane™ Memory Supported ‡	Yes
Intel® Turbo Boost Technology	No