ComX Computers
Product Specification Sheet

CP-i2H6800K

Intel i7-6800K Six Core 3.4Ghz LGA 2011 Broadwell-e Processor (unlocked)

Product Overview

Intel Broadwell-e i7-6800K LGA 2011 - Hex/6 core+Hyper-Threading/ 12 threads, 3.4Ghz / 3.8Ghz turbo boost, 28x PCI-express lanes, 5GT/s -1x QPi, VT-x + AES-N, VT-d + no TXT, built-in Quad channel DDR4-2133 memory controller, support up to 128Gb, 76.8Gb/sec memory bandwidth, 14nm - 15mb smart cache - box CPU with no fan | speed / turbo boost - Ghz : 3.4 / 3.8, built-in GPU : N, L3 Cache - mb : 15, core / thread : 6 / 12, memory controller : 4x DDR4-2133, memory bandwidth - gb/ sec : 76.8, max memory size - Gb : 128, micron - nm : 14, TDP - w : 140, vPro : N, VT-x : Y, VT-d (VT for Direct i/ o) : Y, TXT : N, code name : Broadwell, pci-E lane : 28



Specifications

Specifications:

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Specifications	
Product Code	CP-i2H6800K
Essentials	
Processor Number	i7-6800K
Cache	15 MB
Instruction Set	64-bit
Embedded Options Available	No
Lithography	14 nm
Scalability	1S Only
Conflict Free	Yes
Performance	
# of Cores	6

# of Threads	12
Processor Base Frequency	3.4 GHz
Max Turbo Frequency	3.8 GHz
TDP	140 W
Memory Specifications	
Max Memory Size (dependent on memory type)	128 GB
Memory Types	DDR4 2400/2133
Max # of Memory Channels	4
ECC Memory Supported	No
Graphics Specifications	
Processor Graphics	None
Expansion Options	
PCI Express Revision	3
Max # of PCI Express Lanes	28
Package Specifications	
Max CPU Configuration	1
Sockets Supported	FCLGA2011-3
Advanced Technologies	
Intel Turbo Boost Max Technology 3.0	Yes
Intel Turbo Boost Technology	2
Intel vPro Technology	No
Intel Hyper-Threading 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 64	Yes
Idle States	Yes
Enhanced Intel SpeedStep Technology	Yes
Intel Smart Response Technology	Yes
Intel Data Protection Technology	
Intel AES New Instructions	Yes
Intel Platform Protection Technology	
Trusted Execution Technology	No

Execute Disable Bit	Yes

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/CP-i2H6800K-Intel-i7-6800K-Six-Core-3-4Ghz-LGA-2011-Broadwell-e-Processor-unlocked-p-147381.php

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