

Intel Core i7 8086K / 4 GHz processor - Box



12-05-2024

SKU	BX80684I78086K
Product Description:	Intel Core i7 8086K / 4 GHz processor - Box
Product Type:	Processor
Processor Type:	Intel Core i7 8086K (8th Gen)
Number of Cores:	6-core / 12 threads
Cache:	12 MB
Integrated Graphics:	Intel UHD Graphics 630
Compatible Processor Socket:	LGA1151 Socket

General

Product Type:	Processor	Service & Support:	Limited warranty - 3 years
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Manufacturer Warranty

Miscellaneous

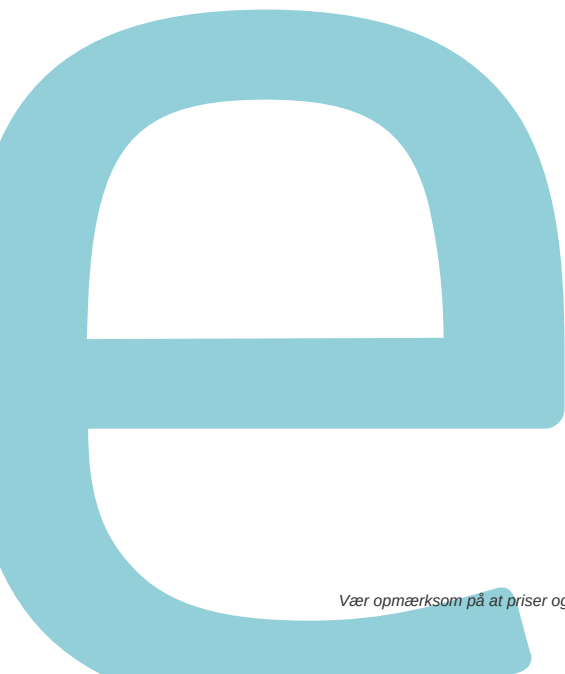
Package Type:	Intel Boxed
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Integrated Graphics

Type:	Intel UHD Graphics 630
Base Frequency:	350 MHz
Max Dynamic Frequency:	1.2 GHz
Max Supported Memory Size:	64 GB
Max Supported Resolution:	4096x2304@24Hz (HDMI), 4096x2304@60Hz (eDP), 4096x2304@60Hz (DP)
Features:	Intel Clear Video Technology, Intel Clear Video HD Technology, InTRU 3D Technology, Intel Quick Sync Video, Triple Display Capable

Processor

Type / Form Factor:	Intel Core i7 8086K (8th Gen)
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Processor

Number of Cores:	6-core
Number of Threads:	12 threads
Cache:	12 MB
Cache Memory Details:	Smart Cache - 12 MB
Processor Qty:	1
Clock Speed:	4 GHz
Max Turbo Speed:	5 GHz
Compatible Processor Socket:	LGA1151 Socket
Manufacturing Process:	14 nm
Thermal Design Power:	95 W
Thermal Specification:	100 °C
PCI Express Revision:	3.0
PCI Express Configurations:	1x16, 2x8, 1x8+2x4
PCI Express Lanes Qty:	16

Processor

Architecture Features:

Enhanced SpeedStep technology, Hyper-Threading Technology, Execute Disable Bit capability, Intel Virtualization Technology, Intel 64 Technology, Intel Trusted Execution Technology, streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Intel Turbo Boost Technology 2.0, Intel AES New Instructions (AES-NI), Thermal Monitoring Technologies, Intel Virtualization Technology for Directed I/O (VT-d), Idle States, Intel VT-x with Extended Page Tables (EPT), Intel Identity Protection Technology, Intel Secure Key, Intel Advanced Vector Extensions 2 (AVX2.0), Intel TSX-NI, Intel OS Guard, Intel Software Guard Extensions (SGX), Intel Memory Protection Extensions (MPX), Intel Optane Memory Supported, Intel Boot Guard