

INTEL

Intel CPU Core i5-4460 / LGA1150 Socket / Tray

SKU: 17010131 · EAN: 0675901259750

SPECIFIKAT TEKNIKE	
127 specifikat e produktit	
ATRIBUTI	VLERA
Processor	
Processor manufacturer	Intel
Processor generation	4th gen Intel® Core™ i5
Processor model	i5-4460
Processor base frequency	3.2 GHz
Processor family	Intel® Core™ i5
Processor cores	4
Processor socket	LGA 1150 (Socket H3)
Component for	PC
Processor lithography	22 nm
Processor series	Intel Core i5-4400 Desktop series
Processor threads	4
System bus rate	5 GT/s
Processor operating modes	64-bit
Processor boost frequency	3.4 GHz
Processor cache	6 MB
Processor cache type	Smart Cache
Thermal Design Power (TDP)	84 W
Package type	Tray
Cooler included	No
Generation	4th Generation
Stepping	C0
Bus type	DMI2
Memory bandwidth supported by processor (max)	25.6 GB/s
Processor codename	Haswell
Processor ARK ID	80817
Memory	

Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory channels	Dual-channel
ECC	No
Graphics	
On-board graphics card	Yes
On-board graphics card model	Intel® HD Graphics 4600
On-board graphics card memory	1.7 GB
Maximum on-board graphics card memory	2 GB
On-board graphics card outputs supported	Embedded DisplayPort (eDP), DisplayPort, HDMI, VGA (D-Sub)
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	11.2/12
On-board graphics card OpenGL version	4.3
On-board graphics card maximum resolution (DisplayPort)	3840 x 2160 pixels
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	3840 x 2160 pixels
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels
On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz
On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz
On-board graphics card ID	0x412
Features	
Execute Disable Bit	Yes
Idle States	Yes
Thermal Monitoring Technologies	Yes
Market segment	Desktop
Maximum number of PCI Express lanes	16

PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Scalability	1S
CPU configuration (max)	1
Embedded options available	No
Graphics & IMC lithography	22 nm
Thermal solution specification	PCG 2013D
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G077159
Processor special features	
Intel® Anti-Theft Technology (Intel® AT)	Yes
Intel® Hyper Threading Technology (Intel® HT Technology)	No
Intel® Identity Protection Technology (Intel® IPT)	Yes
Intel® My WiFi Technology (Intel® MWT)	Yes
Intel® Turbo Boost Technology	2.0
Intel® Quick Sync Video Technology	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Wireless Display (Intel® WiDi)	Yes
Intel FDI Technology	Yes
Intel® Clear Video HD Technology (Intel® CVT HD)	Yes
Intel® Insider™	Yes
Intel® AES New Instructions (Intel® AES-NI)	Yes
Enhanced Intel SpeedStep Technology	Yes
Intel Trusted Execution Technology	No
Intel® Turbo Boost Technology 2.0 frequency	3.4 GHz
Intel® Transactional Synchronization Extensions	No
Intel Enhanced Halt State	Yes
Intel VT-x with Extended Page Tables (EPT)	Yes
Intel® Secure Key	Yes
Intel TSX-NI	No
Intel Stable Image Platform Program (SIPP)	No
Intel® OS Guard	Yes
Intel 64	Yes

Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Small Business Advantage (SBA) version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Virtualization Technology (VT-x)	Yes
Intel Virtualization Technology for Directed I/O (VT-d)	Yes
Intel TSX-NI version	0.00
Conflict-Free processor	Yes
Intel® vPro™ Platform Eligibility	No
Operational conditions	
Tcase	72.72 °C
Technical details	
Maximum resolution & refresh rate (Integrated Flat Panel)	3840x2160@60Hz
Processor cache	6144 KB
Bus bandwidth	5
Bus type units	GT/s
Launch date	Q2'14
Maximum resolution & refresh rate (DisplayPort)	3840x2160@60Hz
Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
Product type	Processor
Maximum resolution & refresh rate (VGA)	1920x1200@60Hz
Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
Number of graphics cores	20
Status	Discontinued
Maximum memory	32 GB
Processor brand name	Intel Core i5Intel Core i5 Processor
Last change	63903513
Product family	4th Generation Intel Core i5 Processors
Bus speed	5 GT/s
Maximum graphics card memory	2 GB
Processor ID	0x412
Logistics data	
Harmonized System (HS) code	8542310001
Packaging data	

Package width	70 mm
Package depth	116 mm
Package height	101 mm
Package weight	373 g
Weight & dimensions	
Processor package size	37.5 x 37.5 mm
Other features	
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Maximum internal memory	32 GB
Maximum internal memory	32768 MB
Graphics output	eDP/DP/HDMI/VGA
Video decoding	Yes