

Intel Core i5-4430 (BX80646I54430)

Intel® Core i5-4430 Processor (6M Cache, up to 3.20 GHz)



Price details:

Price excl. VAT: 170.22 €

Eco fees: 0.00 €

VAT 21 %: 35.75 €

Product details:

Product code: BX80646I54430

EAN: 5032037050791

Manufacturer: Intel

205.97 €

* VAT included

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Amazing performance and stunning visuals with a boost. Raise the bar on your PC experience with rich visuals plus an automatic burst of speed when you need it. The 4th generation Intel® Core i5 processor delivers amazing performance, stunning visuals, and built-in security for deeper protection.

Discover the thrill of an automatic burst of speed when you need it with Intel® Turbo Boost Technology 2.0. Experience your movies, photos, and games smoothly and seamlessly with a built-in suite of visual enhancements-and enjoy them even more with longer battery life.

Get a boost in your performance that you can truly see and feel, along with extra peace of mind from enhanced security. Because the only thing more amazing than Intel® technology is what you'll do with it.

Main specifications:

Processor

| | |
|----------------------------|-----------------------------------|
| Processor family: | Intel Core i5-4xxx |
| Processor frequency: | 3 GHz |
| Processor cores: | 4 |
| Processor socket: | Socket H3 (LGA 1150) |
| Component for: | PC |
| Processor lithography: | 22 nm |
| Box: | Y |
| Processor series: | Intel Core i5-4400 Desktop series |
| Processor model: | i5-4430 |
| Processor threads: | 4 |
| System bus rate: | 5 GT/s |
| Processor operating modes: | 64-bit |
| Processor cache: | 6 MB |
| Processor cache type: | Smart Cache, L3 |
| Stepping: | C0 |
| Processor boost frequency: | 3.2 GHz |
| FSB Parity: | N |
| Bus type: | QPI |
| Number of QPI links: | 1 |
| Processor codename: | Haswell |

Memory

| | |
|---|---------------|
| Maximum internal memory supported by processor: | 32 GB |
| Memory types supported by processor: | DDR3-SDRAM |
| Memory clock speeds supported by processor: | 1333,1600 MHz |
| Memory bandwidth supported by processor (max): | 25.6 GB/s |
| Memory channels supported by processor: | Dual |

ECC supported by processor: N

Graphics

On-board graphics adapter: Y
On-board graphics adapter model: Intel HD Graphics 4600
On-board graphics adapter base frequency: 350 MHz
On-board graphics adapter dynamic frequency: 1100 MHz
Maximum on-board graphics adapter memory: 1.74 GB
Number of displays supported by on-board graphics adapter: 3
On-board graphics adapter DirectX version: 11.1

Features

Execute Disable Bit: Y
Idle States: Y
Thermal Monitoring Technologies: Y
Maximum number of PCI Express lanes: 16
PCI Express slots version: 3.0
PCI Express configurations: 1x16,2x8,1x8+2x4
Supported instruction sets: AVX 2.0,SSE4.1,SSE4.2
Processor package size: 37.5 mm
Thermal Design Power (TDP): 84 W
Processor code: SR14G
Scalability: 1S
CPU configuration (max): 1
Embedded options available: N
Graphics & IMC lithography: 22 nm
Thermal solution specification: PCG 2013D
On-board graphics adapter ID: 0x412

Processor special features

Intel Anti-Theft Technology: Y
Intel Hyper-Threading Technology: N
Intel Identity Protection Technology: Y
Intel My WiFi Technology: Y
Intel Turbo Boost Technology: 2.0
Intel vPro Technology: N
Intel Quick Sync Video Technology: Y
Intel InTru 3D Technology: Y
Intel Wireless Display (WiDi) Technology: Y
Intel FDI Technology: Y
Intel Clear Video HD Technology: Y
Intel Dual Display Capable Technology: Y
Intel Insider: Y
Intel Fast Memory Access: N
Intel Flex Memory Access: N
Intel Smart Cache: Y
Intel AES New Instructions: Y
Enhanced Intel SpeedStep Technology: Y
Intel Trusted Execution Technology: N
Intel Enhanced Halt State: Y
Intel Clear Video Technology for MID: N
Intel VT-x with Extended Page Tables (EPT): Y
Intel Demand Based Switching: N
Intel Secure Key: Y
Intel TSX-NI: N
Intel Rapid Storage Technology: N
Intel Clear Video Technology: N
Intel 64: Y
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): Y
Intel Virtualization Technology for Directed I/O (VT-d): Y
Intel TSX-NI version: 0.00
Conflict Free processor: Y

Operational conditions

Tcase: 72.72 °C

Technical details

| | |
|--|---|
| Processor cache: | 6144 KB |
| Product type: | 4 |
| Video compression formats: | Y |
| Maximum graphics adapter memory: | 1740 MB |
| Born on date: | Q2'13 |
| Bus bandwidth: | 5 |
| Bus type units: | GT/s |
| Graphics max dynamic frequency: | 1.10 GHz |
| Launch date: | 2013-06-01T00:00:00 |
| Market segment: | DT |
| Maximum resolution & refresh rate (DisplayPort): | 3840x2160@60Hz |
| Maximum resolution & refresh rate (HDMI): | 4096x2304@24Hz |
| Maximum resolution & refresh rate (Integrated Graphics): | 3840x2160@60Hz |
| Maximum resolution & refresh rate (VGA): | 1920x1200@60Hz |
| Number of graphics cores: | 20 |
| OpenGL support: | 4.0 |
| Product name: | Intel Core i5-4430 (6M Cache, up to 3.20 GHz) |
| Status: | 4 |
| Maximum memory: | 32 GB |

Other features

| | |
|----------------------------------|---------------------|
| Intel Virtualization Technology: | VT-d,VT-x |
| Maximum internal memory: | 32768 MB |
| Cache memory: | 6 MB |
| Video decoding: | Y |
| Graphics output: | eDP/DP/HDMI/DVI/VGA |

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