

Intel Core i5-13600K processor 24 MB Smart Cache Box

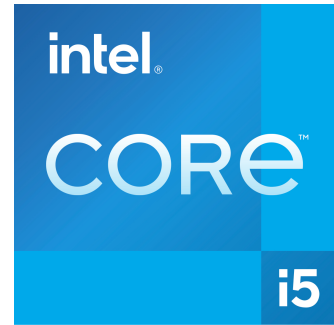
Merk : Intel

Productfamilie: Core

Artikelcode: BX8071513600K

Productnaam : i5-13600K

Intel Core i5-13600K. Processorfamilie: Intel® Core™ i5, Processor socket: LGA 1700, Processorfabrikant: Intel. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 192 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM, DDR5-SDRAM. On-board graphics adapter model: Intel UHD Graphics 770, On-board ondersteunde grafische adapter uitgangen: Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1, Basisfrequentie ingebouwde grafische adapter: 300 MHz. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Type verpakking: Retaildoos



| Processor | | Kenmerken | |
|--|--------------------------------|--|----------|
| Processorfabrikant * | Intel | CPU configuratie (max) | 1 |
| Processorgeneratie | Intel® 13de generatie Core™ i5 | Ingebouwde opties beschikbaar | ✗ |
| Processormodel * | i5-13600K | Directe media-interface (DMI) revisie | 4.0 |
| Processorfamilie * | Intel® Core™ i5 | Export Control Classification Number (ECCN) | 5A992C |
| Aantal processorkernen * | 14 | Commodity Classification Automated Tracking System (CCATS) | 740.17B1 |
| Processor socket * | LGA 1700 | Processor speciale functies | |
| Processor aantal threads | 20 | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor operating modes * | 64-bit | Intel® Turbo Boost Technology | 2.0 |
| Prestatiekernen | 6 | Intel® Quick Sync Video Technology | ✓ |
| Efficiënte kernen | 8 | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Maximale turbofrequentie van processor | 5,1 GHz | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Prestatie-kernboostfrequentie | 5,1 GHz | Enhanced Intel SpeedStep Technology | ✓ |
| Prestatie-kernbasisfrequentie | 3,5 GHz | Intel® Trusted Execution Technology | ✓ |
| Efficiënte kernboostfrequentie | 3,9 GHz | Intel® Speed Shift-technologie | ✓ |
| Efficiënte kernbasisfrequentie | 2,6 GHz | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0 | ✓ |
| Processor cache | 24 MB | Intel® Control-flow Enforcement Technology (CET) | ✓ |
| Processor cache type | Smart Cache | Intel® Thread Director | ✓ |
| Box * | ✓ | Intel® VT-x with Extended Page Tables (EPT) | ✓ |
| Inclusief koeler * | ✗ | Intel® Secure Key | ✓ |
| Processor basisvermogen | 125 W | Intel® Active Management Technology (Intel® AMT) | ✓ |
| Maximaal turbovermogen | 181 W | Intel® Stable Image Platform Program (SIPP) | ✓ |
| Stepping | B0 | Intel® OS Guard | ✓ |
| Bus type | DMI4 | Intel® 64 | ✓ |
| Maximum aantal DMI lanes | 8 | Intel® Virtualization Technology (VT-x) | ✓ |
| Geheugenbandbreedte ondersteund door de processor (max) | 89,6 GB/s | Intel® Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Codenaam processor | Raptor Lake | Intel® Turbo Boost Max Technology 3.0 | ✗ |
| ARK ID processor | 230493 | Intel® Boot Guard | ✓ |
| Geheugen | | | |
| Maximaal intern geheugen ondersteund door processor | 192 GB | | |
| Geheugentypen ondersteund door processor | DDR4-SDRAM, DDR5-SDRAM | | |
| Geheugen kanaal * | Dubbelkanaals | | |
| ECC | ✓ | | |
| Non-ECC | ✓ | | |
| Geheugen bandbreedte (max) | 89,6 GB/s | | |
| Grafisch | | | |
| Ingebouwde grafische adapter * | ✓ | | |

| Grafisch | | Processor speciale functies | |
|--|---|---|-----------------------------|
| Aparte grafische adapter * | ✘ | Intel® Deep Learning Boost (Intel® DL Boost) | ✓ |
| On-board graphics adapter model * | Intel UHD Graphics 770 | Intel® Volume Management Device (VMD) | ✓ |
| On-board ondersteunde grafische adapter uitgangen | Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1 | Mode-based Execute Control (MBE) | ✓ |
| Basisfrequentie ingebouwde grafische adapter | 300 MHz | Intel® vPro™ Platform Eligibility | ✓ |
| Graphics on-board -adapter dynamische frequentie (max) | 1500 MHz | Intel® Standard Manageability (ISM, Standaard beheerbaarheid) | ✓ |
| Aantal displays ondersteund (door on-board grafische adapter) | 4 | Intel® One-Click Recovery (Herstel met 1 klik) | ✓ |
| On-board grafische adapter DirectX-versie | 12.0 | Intel® Stabiel IT-platformprogramma (SIPP) | ✓ |
| On-board grafische adapter OpenGL versie | 4.5 | Intel® Remote Platform Erase (RPE) | ✓ |
| Graphics aan boord maximale resolutie adapter (DisplayPort) | 7680 x 4320 Pixels | Intel® virtualisatietechnologie met omleidingsbescherming (VT-rp) | ✓ |
| Maximale resolutie (eDP - Integrated Flat Panel) | 5120 x 3200 Pixels | Intel vPro® Enterprise-platformvoorwaarden | ✓ |
| Maximale resolutie ingebouwde grafische adapter (HDMI) | 4096 x 2160 Pixels | Intel® -technologie voor dreigingsdetectie (TDT) | ✓ |
| Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort) | 60 Hz | Intel® Hardware Shield-voorwaarden | ✓ |
| Refresh rate op maximale resolutie (eDP - Integrated Flat Panel) | 120 Hz | Intel® totale geheugencodering - Meerdere sleutels | ✓ |
| Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI) | 60 Hz | Intel vPro® Essentials-platformvoorwaarden | ✓ |
| On-board grafische adapter ID | 0xA780 | Eisen aan de omgeving | |
| Discreet grafische adapter model * | Niet beschikbaar | Tjunction | 100 °C |
| Aantal verwerkingseenheden | 32 | Technische details | |
| Multi-Formaat Codec-motoren | 2 | Doelgroep | Gaming |
| Kenmerken | | OpenCL-versie | 3.0 |
| Execute Disable Bit | ✓ | Lanceringsdatum | Q4'22 |
| Idle States | ✓ | Status | Launched |
| Thermal Monitoring Technologies | ✓ | Logistieke gegevens | |
| Marktsegment | Desktop | Code geharmoniseerd systeem (HS) | 8542310001 |
| Gebruiksvoorwaarden | PC/Client/Tablet | Verpakking | |
| Maximaal aantal PCI Express-lijnen | 20 | Type verpakking | Retaildoos |
| PCI Express slots versie | 4.0, 5.0 | Overige specificaties | |
| PCI Express configuraties | 1x16+1x4, 2x8+1x4 | L2 cache | 20480 KB |
| Ondersteunde instructie sets | SSE4.1, SSE4.2, AVX 2.0 | Maximum intern geheugen | 192 GB |
| Schaalbaarheid | 1S | Grafische uitvoer | eDP 1.4b, DP 1.4a, HDMI 2.1 |



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