

## Intel Core i5-13400F processor 20 MB Smart Cache Box

**Merk :** Intel

**Productfamilie:** Core

**Artikelcode:** BX8071513400F

**Productnaam :** i5-13400F

Intel Core i5-13400F. 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. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Verpakkingsgrootte processor: 45 x 37.5 mm. L2 cache: 9728 KB, Maximum intern geheugen: 192 GB



| Processor   |                                | Kenmerken   |          |
|---|--------------------------------|---|----------|
| Processorfabrikant *                                | Intel                          | CPU configuratie (max)  | 1        |
| Processorgeneratie                                  | Intel® 13de generatie Core™ i5 | Ingebouwde opties beschikbaar                                 | ✗        |
| Processormodel *                                    | i5-13400F                      | Directe media-interface (DMI) revisie                         | 4.0      |
| Processorfamilie *                                  | Intel® Core™ i5                | Export Control Classification Number (ECCN)                   | 5A992C   |
| Aantal processorkernen *                            | 10                             | Commodity Classification Automated Tracking System (CCATS)    | 740.17B1 |
| Processor socket *                                  | LGA 1700                       | <b>Processor speciale functies</b>                            |          |
| Processor aantal threads                            | 16                             | Intel® Hyper Threading Technology (Intel® HT Technology)      | ✓        |
| Processor operating modes *                         | 64-bit                         | Intel® Turbo Boost Technology                                 | 2.0      |
| Prestatiekernen                                     | 6                              | Intel® AES New Instructions (Intel® AES-NI)                   | ✓        |
| Efficiënte kernen                                   | 4                              | Enhanced Intel SpeedStep Technology                           | ✓        |
| Maximale turbofrequentie van processor              | 4,6 GHz                        | Intel® Speed Shift-technologie                                | ✓        |
| Prestatie-kernboostfrequentie                       | 4,6 GHz                        | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0         | ✓        |
| Prestatie-kernbasisfrequentie                       | 2,5 GHz                        | Intel® Control-flow Enforcement Technology (CET)              | ✓        |
| Efficiënte kernboostfrequentie                      | 3,3 GHz                        | Intel® Thread Director  | ✓        |
| Efficiënte kernbasisfrequentie                      | 1,8 GHz                        | Intel® VT-x with Extended Page Tables (EPT)                   | ✓        |
| Processor cache                                     | 20 MB                          | Intel® Secure Key   | ✓        |
| Processor cache type                                | Smart Cache                    | Intel® OS Guard   | ✓        |
| Box *   | ✓                              | Intel® 64   | ✓        |
| Inclusief koeler *                                  | ✓                              | Intel® Virtualization Technology (VT-x)                       | ✓        |
| Processor basisvermogen                             | 65 W                           | Intel® Virtualization Technology for Directed I/O (VT-d)      | ✓        |
| Maximaal turbovermogen                              | 148 W                          | Intel® Turbo Boost Max Technology 3.0                         | ✗        |
| Maximum aantal DMI lanes                            | 8                              | Intel® Boot Guard   | ✓        |
| Codenaam processor                                  | Raptor Lake                    | Intel® Deep Learning Boost (Intel® DL Boost)                  | ✓        |
| ARK ID processor                                    | 230501                         | Intel® Volume Management Device (VMD)                         | ✓        |
| <b>Geheugen</b>                                     |                                | Mode-based Execute Control (MBE)                              | ✓        |
| Maximaal intern geheugen ondersteund door processor | 192 GB                         | Intel® Standard Manageability (ISM, Standaard beheerbaarheid) | ✓        |
| Geheugentypen ondersteund door processor            | DDR4-SDRAM, DDR5-SDRAM         |   |          |
| Geheugen kanaal *                                   | Dubbelkanaals                  |   |          |
| Non-ECC   | ✓                              |   |          |
| Geheugen bandbreedte (max)                          | 76,8 GB/s                      |   |          |
| <b>Grafisch</b>                                     |                                |   |          |
| Ingebouwde grafische adapter *                      | ✗                              |   |          |
| Aparte grafische adapter *                          | ✗                              |   |          |
| On-board graphics adapter model *                   | Niet beschikbaar               |   |          |
| Discreet grafische adapter model *                  | Niet beschikbaar               |   |          |

| Kenmerken                          |                         | Eisen aan de omgeving                       |              |
|------------------------------------|-------------------------|---|--------------|
| Execute Disable Bit                | ✓                       | Tjunction                                   | 100 °C       |
| Idle States                        | ✓                       | <b>Logistieke gegevens</b>                  |              |
| Thermal Monitoring Technologies    | ✓                       | Code geharmoniseerd systeem (HS) 8542310001 |              |
| Marktsegment                       | Desktop                 | <b>Technische details</b>                   |              |
| Gebruiksvoorwaarden                | PC/Client/Tablet        | Lanceringsdatum                             | Q1'23        |
| Maximaal aantal PCI Express-lijnen | 20                      | <b>Gewicht en omvang</b>                    |              |
| PCI Express slots versie           | 4.0, 5.0                | Verpakkingsgrootte processor                | 45 x 37.5 mm |
| PCI Express configuraties          | 1x16+1x4, 2x8+1x4       | <b>Overige specificaties</b>                |              |
| Ondersteunde instructie sets       | AVX 2.0, SSE4.1, SSE4.2 | L2 cache                                    | 9728 KB      |
| Schaalbaarheid                     | 1S                      | Maximum intern geheugen                     | 192 GB       |



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