

## Intel Core i3-10100F processor 3,6 GHz 6 MB Smart Cache Box

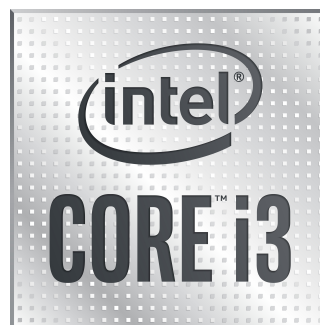
Merk : Intel

Productfamilie: Core

Artikelcode: BX8070110100F

Productnaam : i3-10100F

Intel Core i3-10100F. Processorfamilie: Intel® Core™ i3, Processor socket: LGA 1200 (Socket H5), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4,3 GHz. Type verpakking: Retaildoos



| Processor                                                |                                | Kenmerken                                                  |         |
|----------------------------------------------------------|--------------------------------|------------------------------------------------------------|---------|
| Processorfabrikant *                                     | Intel                          | Export Control Classification Number (ECCN)                | 5A992C  |
| Processorgeneratie                                       | Intel® 10de generatie Core™ i3 | Commodity Classification Automated Tracking System (CCATS) | G077159 |
| Processormodel *                                         | i3-10100F                      | <b>Processor speciale functies</b>                         |         |
| Basisfrequentie processor *                              | 3,6 GHz                        | Intel® Hyper Threading Technology (Intel® HT Technology)   | ✓       |
| Processorfamilie *                                       | Intel® Core™ i3                | Intel® Identity Protection Technology (Intel® IPT)         | ✓       |
| Aantal processorkernen *                                 | 4                              | Intel® Turbo Boost Technology                              | 2.0     |
| Processor socket *                                       | LGA 1200 (Socket H5)           | Intel® AES New Instructions (Intel® AES-NI)                | ✓       |
| Component voor                                           | PC                             | Enhanced Intel SpeedStep Technology                        | ✓       |
| Processor lithografie *                                  | 14 nm                          | Intel® Trusted Execution Technology                        | ✗       |
| Processor aantal threads                                 | 8                              | Intel® Thermal Velocity Boost                              | ✗       |
| Systeembus                                               | 8 GT/s                         | Intel® Turbo Boost Technology 2.0 frequency                | 4,3 GHz |
| Processor operating modes *                              | 64-bit                         | Intel® Transactional Synchronization Extensions            | ✗       |
| Maximale turbofrequentie van processor                   | 4,3 GHz                        | Intel® VT-x with Extended Page Tables (EPT)                | ✓       |
| Processor cache                                          | 6 MB                           | Intel® Secure Key                                          | ✓       |
| Processor cache type                                     | Smart Cache                    | Intel® Stable Image Platform Program (SIPP)                | ✗       |
| Thermal Design Power (TDP)                               | 65 W                           | Intel® OS Guard                                            | ✓       |
| Box *                                                    | ✓                              | Intel® Software Guard Extensions (Intel® SGX)              | ✓       |
| Inclusief koeler *                                       | ✓                              | Intel® 64                                                  | ✓       |
| Geheugenbandbreedte ondersteund door de processor ( max) | 41,6 GB/s                      | Intel® Virtualization Technology (VT-x)                    | ✓       |
| Codenaam processor                                       | Comet Lake                     | Intel® Virtualization Technology for Directed I/O (VT-d)   | ✓       |
| ARK ID processor                                         | 203473                         | Intel® Turbo Boost Max Technology 3.0                      | ✗       |
| Geheugen                                                 |                                | Intel® Optane™ Memory Ready                                | ✓       |
| Maximaal intern geheugen ondersteund door processor      | 128 GB                         | Intel® Boot Guard                                          | ✓       |
| Geheugentypen ondersteund door processor                 | DDR4-SDRAM                     | Intel® vPro™ Platform Eligibility                          | ✗       |
| Klokgeheugen-snelheden ondersteund door processor        | 2666 MHz                       | <b>Eisen aan de omgeving</b>                               |         |
| Geheugen kanaal *                                        | Dubbelkanaals                  | Tjunction                                                  | 100 °C  |
| ECC                                                      | ✗                              |                                                            |         |
| Grafisch                                                 |                                |                                                            |         |
| Ingebouwde grafische adapter *                           | ✗                              |                                                            |         |
| Aparte grafische adapter *                               | ✗                              |                                                            |         |
| On-board graphics adapter model *                        | Niet beschikbaar               |                                                            |         |
| Discreet grafische adapter model *                       | Niet beschikbaar               |                                                            |         |
| Kenmerken                                                |                                |                                                            |         |
| Execute Disable Bit                                      | ✓                              |                                                            |         |
| Idle States                                              | ✓                              |                                                            |         |

| Kenmerken                          |                         | Technische details                        |                |
|------------------------------------|-------------------------|-------------------------------------------|----------------|
| Thermal Monitoring Technologies    | ✓                       | Lanceringsdatum                           | Q4'20          |
| Marktsegment                       | Desktop                 | Status                                    | Launched       |
| Maximaal aantal PCI Express-lijnen | 16                      | Ondersteunde geheugen types               | DDR4-SDRAM     |
| PCI Express slots versie           | 3.0                     | Logistieke gegevens                       |                |
| PCI Express configuraties          | 1x16, 2x8, 1x8+2x4      | Code geharmoniseerd systeem (HS) 85423119 |                |
| Ondersteunde instructie sets       | SSE4.1, SSE4.2, AVX 2.0 | Verpakking                                |                |
| Schaalbaarheid                     | 1S                      | Type verpakking                           | Retaildoos     |
| CPU configuratie (max)             | 1                       | Gewicht en omvang                         |                |
| Ingebouwde opties beschikbaar      | ✗                       | Verpakkingsgrootte processor              | 37.5 x 37.5 mm |
| Thermal solution specificatie      | PCG 2015C               | Overige specificaties                     |                |
|                                    |                         | Maximum intern geheugen                   | 128 GB         |



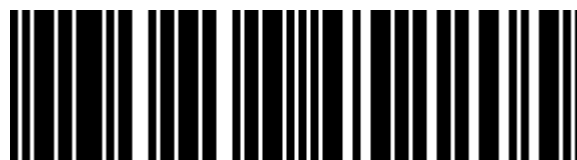
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