

# Intel Core i5 10500 / 3.1 GHz processor - OEM



20-05-2024

|                              |                                               |
|------------------------------|-----------------------------------------------|
| SKU                          | CM8070104290511                               |
| Product Description:         | Intel Core i5 10500 / 3.1 GHz processor - OEM |
| Product Type:                | Processor                                     |
| Processor Type:              | Intel Core i5 10500 (10th Gen)                |
| Number of Cores:             | 6-core / 12 threads                           |
| Cache:                       | 12 MB                                         |
| Integrated Graphics:         | Intel UHD Graphics 630                        |
| Compatible Processor Socket: | LGA1200 Socket                                |

## General

|               |           |               |          |
|---------------|-----------|---------------|----------|
| Product Type: | Processor | Package Type: | OEM/tray |
|---------------|-----------|---------------|----------|

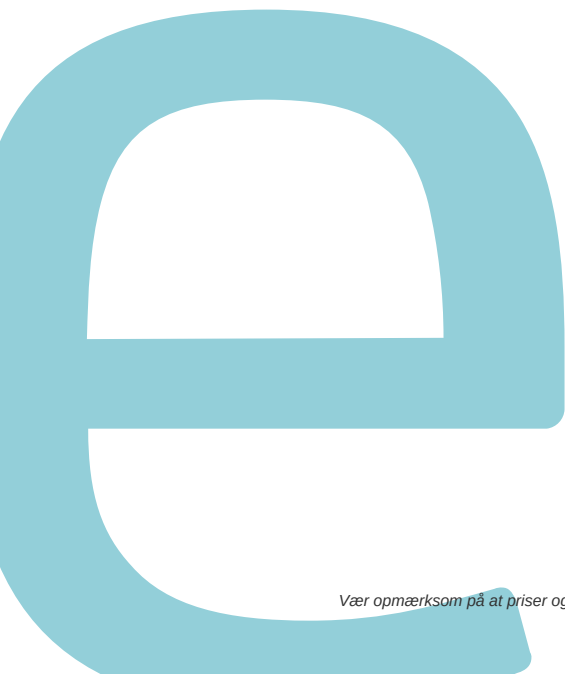
## Miscellaneous

### Integrated Graphics

|                            |                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Type:                      | Intel UHD Graphics 630                                                                                                             |
| Base Frequency:            | 350 MHz                                                                                                                            |
| Max Dynamic Frequency:     | 1.15 GHz                                                                                                                           |
| Max Supported Memory Size: | 64 GB                                                                                                                              |
| Max Supported Resolution:  | 4096x2304@60Hz (eDP),<br>4096x2304@60Hz (DP),<br>4096x2160@30Hz (HDMI)                                                             |
| Features:                  | Intel Clear Video Technology, Intel Clear Video HD Technology, InTRU 3D Technology, Intel Quick Sync Video, Triple Display Capable |

### Processor

|                     |                                |
|---------------------|--------------------------------|
| Type / Form Factor: | Intel Core i5 10500 (10th Gen) |
| Number of Cores:    | 6-core                         |
| Number of Threads:  | 12 threads                     |



## Processor

|                              |                     |
|------------------------------|---------------------|
| Cache:                       | 12 MB               |
| Cache Memory Details:        | Smart Cache - 12 MB |
| Processor Qty:               | 1                   |
| Clock Speed:                 | 3.1 GHz             |
| Max Turbo Speed:             | 4.5 GHz             |
| Bus Speed:                   | 8 GT/s              |
| Compatible Processor Socket: | LGA1200 Socket      |
| Manufacturing Process:       | 14 nm               |
| Thermal Design Power:        | 65 W                |
| Thermal Specification:       | 100 °C              |
| PCI Express Revision:        | 3.0                 |
| PCI Express Configurations:  | 1x16, 2x8, 1x8+2x4  |
| PCI Express Lanes Qty:       | 16                  |

### Architecture Features:

Enhanced SpeedStep technology, Hyper-Threading Technology, Execute Disable Bit capability, Intel Virtualization Technology, Intel 64 Technology, streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Intel Turbo Boost Technology 2.0, Intel AES New Instructions (AES-NI), Thermal Monitoring Technologies, Intel Virtualization Technology for Directed I/O (VT-d), Idle States, Intel VT-x with Extended Page Tables (EPT), Intel Identity Protection Technology, Intel Secure Key, Intel Advanced Vector Extensions 2 (AVX2.0), Intel OS Guard, Intel Software Guard Extensions (SGX), Intel Optane Memory Supported, Intel Boot Guard