

INTEL

# Procesor INTEL Xeon E-2378 2.6GHz LGA 1200 16M Cache Tray CPU

SKU: 17009613 · EAN: 0675901923897

## SPECIFIKAT TEKNIKE

## 64 specifikat e produktit

| ATRIBUTI                                       | VLERA                |
|------------------------------------------------|----------------------|
| <b>Processor</b>                               |                      |
| Processor manufacturer                         | Intel                |
| Processor model                                | E-2378               |
| Processor base frequency                       | 2.6 GHz              |
| Processor family                               | Intel Xeon E         |
| Processor cores                                | 8                    |
| Processor socket                               | LGA 1200 (Socket H5) |
| Component for                                  | Server/workstation   |
| Processor lithography                          | 14 nm                |
| Processor threads                              | 16                   |
| System bus rate                                | 8 GT/s               |
| Processor operating modes                      | 64-bit               |
| Processor boost frequency                      | 4.8 GHz              |
| Processor cache                                | 16 MB                |
| Processor cache type                           | Smart Cache          |
| Thermal Design Power (TDP)                     | 65 W                 |
| Package type                                   | Tray                 |
| Cooler included                                | No                   |
| Processor ARK ID                               | 212261               |
| <b>Memory</b>                                  |                      |
| Maximum internal memory supported by processor | 128 GB               |
| Memory types supported by processor            | DDR4-SDRAM           |
| Memory channels                                | Dual-channel         |
| ECC                                            | Yes                  |
| <b>Graphics</b>                                |                      |
| On-board graphics card                         | No                   |

|                                                            |                                  |
|------------------------------------------------------------|----------------------------------|
| Discrete graphics card                                     | No                               |
| Discrete graphics card model                               | Not available                    |
| <b>Features</b>                                            |                                  |
| Execute Disable Bit                                        | Yes                              |
| Idle States                                                | Yes                              |
| Thermal Monitoring Technologies                            | Yes                              |
| Market segment                                             | Server                           |
| Maximum number of PCI Express lanes                        | 20                               |
| PCI Express slots version                                  | 4.0                              |
| PCI Express configurations                                 | 1x16+1x4, 2x8+1x4, 1x8+3x4       |
| Supported instruction sets                                 | SSE4.1, SSE4.2, AVX 2.0, AVX-512 |
| Scalability                                                | 1S                               |
| CPU configuration (max)                                    | 1                                |
| Export Control Classification Number (ECCN)                | 5A992CN3                         |
| Commodity Classification Automated Tracking System (CCATS) | G167599                          |
| <b>Processor special features</b>                          |                                  |
| Intel® Hyper Threading Technology (Intel® HT Technology)   | Yes                              |
| Intel® Turbo Boost Technology                              | 2.0                              |
| Intel® AES New Instructions (Intel® AES-NI)                | Yes                              |
| Enhanced Intel SpeedStep Technology                        | Yes                              |
| Intel Trusted Execution Technology                         | Yes                              |
| Intel® Memory Protection Extensions (Intel® MPX)           | Yes                              |
| Intel® Turbo Boost Technology 2.0 frequency                | 4.8 GHz                          |
| Intel® Transactional Synchronization Extensions            | No                               |
| Maximum Enclave Size Support for Intel® SGX                | 0.5 GB                           |
| Intel VT-x with Extended Page Tables (EPT)                 | Yes                              |
| Intel® Secure Key                                          | Yes                              |
| Intel® OS Guard                                            | Yes                              |
| Intel Software Guard Extensions (Intel SGX)                | Yes                              |
| Intel 64                                                   | Yes                              |
| Intel Virtualization Technology (VT-x)                     | Yes                              |
| Intel Virtualization Technology for Directed I/O (VT-d)    | Yes                              |
| Intel® Boot Guard                                          | Yes                              |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Intel® Optane™ DC Persistent Memory Supported | No                 |
| Intel® vPro™ Platform Eligibility             | Yes                |
| <b>Operational conditions</b>                 |                    |
| Tjunction                                     | 100 °C             |
| <b>Technical details</b>                      |                    |
| Launch date                                   | Q3'21              |
| Status                                        | Launched           |
| Supported memory types                        | DDR4-SDRAM         |
| Servicing status                              | Baseline Servicing |
| <b>Logistics data</b>                         |                    |
| Harmonized System (HS) code                   | 85423119           |
| <b>Weight &amp; dimensions</b>                |                    |
| Processor package size                        | 37.5 x 37.5 mm     |
| <b>Other features</b>                         |                    |
| Maximum internal memory                       | 128 GB             |