

INTEL

Procesor Intel S1700 CORE i3 14100 TRAY GEN14

SKU: 17008381 · EAN: 4251538816816

| SPECIFIKAT TEKNIKE                             |                            |
|------------------------------------------------|----------------------------|
| 88 specifikat e produktit                      |                            |
| ATRIBUTI                                       | VLERA                      |
| Processor                                      |                            |
| Processor manufacturer                         | Intel                      |
| Processor generation                           | Intel® Core™ i3 (14th gen) |
| Processor model                                | i3-14100                   |
| Processor family                               | Intel® Core™ i3            |
| Processor cores                                | 4                          |
| Processor socket                               | LGA 1700                   |
| Processor threads                              | 8                          |
| Processor operating modes                      | 64-bit                     |
| Performance cores                              | 4                          |
| Processor boost frequency                      | 4.7 GHz                    |
| Performance-core boost frequency               | 4.7 GHz                    |
| Performance-core base frequency                | 3.5 GHz                    |
| Processor cache                                | 12 MB                      |
| Processor cache type                           | Smart Cache                |
| Package type                                   | Tray                       |
| Processor base power                           | 60 W                       |
| Maximum turbo power                            | 110 W                      |
| Stepping                                       | H0                         |
| Maximum number of DMI lanes                    | 8                          |
| Memory bandwidth supported by processor (max)  | 76.8 GB/s                  |
| Processor codename                             | Raptor Lake                |
| Processor ARK ID                               | 236774                     |
| Memory                                         |                            |
| Maximum internal memory supported by processor | 192 GB                     |
| Memory types supported by processor            | DDR4-SDRAM, DDR5-SDRAM     |
| Memory channels                                | Dual-channel               |

|                                                                                         |                                                             |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Memory bandwidth (max)                                                                  | 76.8 GB/s                                                   |
| <b>Graphics</b>                                                                         |                                                             |
| On-board graphics card                                                                  | Yes                                                         |
| Discrete graphics card                                                                  | No                                                          |
| On-board graphics card model                                                            | Intel UHD Graphics 730                                      |
| On-board graphics card outputs supported                                                | Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1 |
| On-board graphics card dynamic frequency (max)                                          | 1500 MHz                                                    |
| Number of displays supported (on-board graphics)                                        | 4                                                           |
| On-board graphics card DirectX version                                                  | 12.0                                                        |
| On-board graphics card OpenGL version                                                   | 4.5                                                         |
| On-board graphics card maximum resolution (DisplayPort)                                 | 7680 x 4320 pixels                                          |
| On-board graphics card maximum resolution (eDP - Integrated Flat Panel)                 | 5120 x 3200 pixels                                          |
| On-board graphics card maximum resolution (HDMI)                                        | 4096 x 2160 pixels                                          |
| On-board graphics card refresh rate at maximum resolution (DisplayPort)                 | 60 Hz                                                       |
| On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel) | 120 Hz                                                      |
| On-board graphics card refresh rate at maximum resolution (HDMI)                        | 60 Hz                                                       |
| On-board graphics card ID                                                               | 0x4692                                                      |
| Discrete graphics card model                                                            | Not available                                               |
| Number of execution units                                                               | 24                                                          |
| Multi-Format Codec Engines                                                              | 1                                                           |
| <b>Features</b>                                                                         |                                                             |
| Execute Disable Bit                                                                     | Yes                                                         |
| Idle States                                                                             | Yes                                                         |
| Thermal Monitoring Technologies                                                         | Yes                                                         |
| Market segment                                                                          | Desktop                                                     |
| Use conditions                                                                          | PC/Client/Tablet                                            |
| Maximum number of PCI Express lanes                                                     | 20                                                          |
| PCI Express slots version                                                               | 4.0, 5.0                                                    |
| PCI Express configurations                                                              | 1x16+1x4, 2x8+1x4                                           |
| Supported instruction sets                                                              | AVX 2.0, SSE4.1, SSE4.2                                     |
| Scalability                                                                             | 1S                                                          |
| CPU configuration (max)                                                                 | 1                                                           |

|                                                            |          |
|------------------------------------------------------------|----------|
| Embedded options available                                 | Yes      |
| Direct Media Interface (DMI) Revision                      | 4.0      |
| Export Control Classification Number (ECCN)                | 5A992C   |
| Commodity Classification Automated Tracking System (CCATS) | 740.17B1 |
| <b>Processor special features</b>                          |          |
| Intel® Hyper Threading Technology (Intel® HT Technology)   | Yes      |
| Intel® Turbo Boost Technology                              | 2.0      |
| Intel® Quick Sync Video Technology                         | Yes      |
| Intel® Clear Video HD Technology (Intel® CVT HD)           | Yes      |
| Intel® AES New Instructions (Intel® AES-NI)                | Yes      |
| Enhanced Intel SpeedStep Technology                        | Yes      |
| Intel® Speed Shift Technology                              | Yes      |
| Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0      | Yes      |
| Intel® Control-flow Enforcement Technology (CET)           | Yes      |
| Intel VT-x with Extended Page Tables (EPT)                 | Yes      |
| Intel® Secure Key                                          | Yes      |
| Intel® OS Guard                                            | 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® Deep Learning Boost (Intel® DL Boost) on CPU        | Yes      |
| Intel® Volume Management Device (VMD)                      | Yes      |
| Mode-based Execute Control (MBE)                           | Yes      |
| Intel® Standard Manageability (ISM)                        | Yes      |
| <b>Operational conditions</b>                              |          |
| Tjunction                                                  | 100 °C   |
| <b>Technical details</b>                                   |          |
| OpenCL version                                             | 3.0      |
| Launch date                                                | Q1'24    |
| Status                                                     | Launched |
| <b>Logistics data</b>                                      |          |

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|--------------------------------|-----------------------------|
| Harmonized System (HS) code    | 8542310001                  |
| <b>Weight &amp; dimensions</b> |                             |
| Processor package size         | 45 x 37.5 mm                |
| <b>Other features</b>          |                             |
| L2 cache                       | 5120 KB                     |
| Maximum internal memory        | 192 GB                      |
| Graphics output                | eDP 1.4b, DP 1.4a, HDMI 2.1 |