

## CPU s1700 INTEL Core i7-12700 12-Core up to 4.90GHz Tray

Šifra: 44183  
 Kategorija proizvoda: Procesori  
 Proizvođač: Intel

Cena: **37.359,00** din.

Product Collection12th Generation Intel® Core™ i7 Processors

Code NameProducts formerly Alder Lake  
 Processor Numberi7-12700  
 Launch DateQ1'22  
 Use ConditionsPC/Client/Tablet, Workstation

Vertical  
 Status  
 Lithogr

### CPU Specifications

Total Cores12

# of Performance-cores8  
 Total Threads20  
 Intel® Turbo Boost Max Technology 3.0 Frequency †  
 4.90 GHz  
 Efficient-core Max Turbo Frequency3.60 GHz  
 Efficient-core Base Frequency1.60 GHz  
 Total L2 Cache12 MB  
 Maximum Turbo Power180 W

# of Ef  
 Max Tu  
 Perform  
 Perform  
 Cache2  
 Process

### Supplemental Information

Embedded Options AvailableYes

DatasheetView now

### Memory Specifications

Max Memory Size (dependent on memory type)128 GB

Memory TypesUp to DDR5 4800 MT/sUp to DDR4 3200 MT/s  
 Max Memory Bandwidth76.8 GB/s

Max #  
 ECC Me

### Processor Graphics

Processor Graphics †Intel® UHD Graphics 770

Graphics Base Frequency300 MHz  
 Graphics OutputeDP 1.4b, DP 1.4a, HDMI 2.1  
 Max Resolution (HDMI)‡4096 x 2160 @ 60Hz  
 Max Resolution (eDP - Integrated Flat Panel)‡5120 x 3200 @ 120Hz  
 OpenGL\* Support4.5  
 Multi-Format Codec Engines2  
 Intel® Clear Video HD TechnologyYes  
 Device ID0x4680

Graphi  
 Execut  
 Max Re  
 DirectX  
 OpenC  
 Intel®  
 # of DI

### Expansion Options

Direct Media Interface (DMI) Revision4.0

Max # of DMI Lanes8  
 PCI Express Revision5.0 and 4.0  
 Max # of PCI Express Lanes20

Scalabl  
 PCI Exp

### Package Specifications

Sockets Supported FCLGA1700

Max CPU Configuration 1

Thermal

T<sub>JUNCTION</sub> 100°C

## Advanced Technologies

Intel® Gaussian & Neural Accelerator 3.0

Intel® Thread Director Yes

Intel®

Intel® Optane™ Memory Supported †Yes

Intel®

Intel® Turbo Boost Max Technology 3.0 †Yes

Intel®

Intel® Hyper-Threading Technology †Yes

Intel®

Instruction Set 64-bit

Instruc

Idle States Yes

Intel®

Thermal Monitoring Technologies Yes

Intel®

## Security & Reliability

Intel vPro® Platform Eligibility †Yes

Intel vPro® Enterprise Platform Eligibility †Yes

Intel vP

Intel® Threat Detection Technology (TDT) Yes

Intel®

Intel® Standard Manageability (ISM) †Yes

Intel®

Intel® Hardware Shield Eligibility †Yes

Intel®

Intel® Total Memory Encryption - Multi Key Yes

Intel®

Intel® AES New Instructions Yes

Secure

Intel® OS Guard Yes

Intel®

Execute Disable Bit †Yes

Intel®

Mode-based Execute Control (MBEC) Yes

Intel®

Intel® Virtualization Technology with Redirect Protection (VT-rp) †Yes

Intel®

Intel® Virtualization Technology for Directed I/O (VT-d) †  
Yes

Intel®