Firma: Desk
Adresa: Čika Ljubina 20
Telefon: +381113287160
Fax: +381113292140
PIB: 101520010
E-mail: plato@desk.rs

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

Cena: 37.460,00 rsd.

Šifra:
Kategorija prozivoda: Intel procesori
Proizvođač: Intel



Product Collection12th Generation Intel® Core™ i7 Processors
Code NameProducts formerly Alder Lake
Vertical SegmentDesktop
Processor Numberi7-12700
StatusLaunched
Launch DateQ1'22
LithographyIntel 7
Use ConditionsPC/Client/Tablet, Workstation

CPU Specifications

Total Cores12
# of Performance-cores8
# of Efficient-cores4
Total Threads20
Max Turbo Frequency4.90 GHz
Intel® Turbo Boost Max Technology 3.0 Frequency ‡4.90 GHz
Performance-core Max Turbo Frequency4.80 GHz
Efficient-core Max Turbo Frequency3.60 GHz
Performance-core Base Frequency2.10 GHz
Efficient-core Base Frequency1.60 GHz
Cache25 MB Intel® Smart Cache
Total L2 Cache12 MB
Processor Base Power65 W
Maximum Turbo Power180 W

Supplemental Information

Embedded Options AvailableYes
DatasheetView now

Memory Specifications

Max Memory Size (dependent on memory type)128 GB
Memory TypesUp to DDR5 4800 MT/s
Up to DDR4 3200 MT/s
Max # of Memory Channels2
Max Memory Bandwidth76.8 GB/s
ECC Memory Supported ‡Yes

Processor Graphics

Processor Graphics ‡Intel® UHD Graphics 770
Graphics Base Frequency300 MHz
Graphics Max Dynamic Frequency1.50 GHz
Graphics OutputeDP 1.4b, DP 1.4a, HDMI 2.1
Execution Units32
Max Resolution (HDMI)‡4096 x 2160 @ 60Hz
Max Resolution (DP)‡7680 x 4320 @ 60Hz
Max Resolution (eDP - Integrated Flat Panel)‡5120 x 3200 @ 120Hz
DirectX* Support12
OpenGL* Support4.5

Cene su informativnog karaktera. Prodavac ne odgovara za tačnost cena iskazanih na sajtu, zadržava pravo izmena cena. Ponudu za ostale artikle, informacije o stanju lagera i aktuelnim cenama možete dobiti na upit. Plaćanje se isključivo vrši virmanski - bezgotovinski.

# of Displays Supported ‡4
Device ID0x4680

Expansion Options

Direct Media Interface (DMI) Revision4.0
Max # of DMI Lanes8
Scalability1S Only
PCI Express Revision5.0 and 4.0
PCI Express Configurations ‡Up to 1x16+4, 2x8+4
Max # of PCI Express Lanes20

Package Specifications

Sockets SupportedFCLGA1700
Max CPU Configuration1
Thermal Solution SpecificationPCG 2020C
$T_{JUNCTION}$100°C

Advanced Technologies

Intel® Gaussian & Neural Accelerator3.0
Intel® Thread DirectorYes
Intel® Deep Learning Boost (Intel® DL Boost)Yes
Intel® Optane™ Memory Supported ‡Yes
Intel® Speed Shift TechnologyYes
Intel® Turbo Boost Max Technology 3.0 ‡Yes
Intel® Turbo Boost Technology ‡2.0
Intel® Hyper-Threading Technology ‡Yes
Intel® 64 ‡Yes
Instruction Set64-bit
Instruction Set ExtensionsIntel® SSE4.1, Intel® SSE4.2, Intel® AVX2
Idle StatesYes
Enhanced Intel SpeedStep® TechnologyYes
Thermal Monitoring TechnologiesYes
Intel® Volume Management Device (VMD)Yes

Security & Reliability

Intel vPro® Platform Eligibility ‡Yes
Intel vPro® Enterprise Platform Eligibility ‡Yes
Intel vPro® Essentials Platform Eligibility ‡Yes
Intel® Threat Detection Technology (TDT)Yes
Intel® Active Management Technology (AMT) ‡Yes
Intel® Standard Manageability (ISM) ‡Yes
Intel® One-Click Recovery ‡Yes
Intel® Hardware Shield Eligibility ‡Yes
Intel® Control-Flow Enforcement TechnologyYes
Intel® Total Memory Encryption - Multi KeyYes
Intel® Total Memory EncryptionYes
Intel® AES New InstructionsYes
Secure KeyYes
Intel® OS GuardYes
Intel® Trusted Execution Technology ‡Yes
Execute Disable Bit ‡Yes
Intel® Boot GuardYes
Mode-based Execute Control (MBEC)Yes
Intel® Stable IT Platform Program (SIPP)Yes
Intel® Virtualization Technology with Redirect Protection (VT-rp) ‡Yes
Intel® Virtualization Technology (VT-x) ‡Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡Yes
Intel® VT-x with Extended Page Tables (EPT) ‡Yes