

Intel Core i5-11600KF processor 3.9 GHz 12 MB Smart Cache Box

Brand : Intel

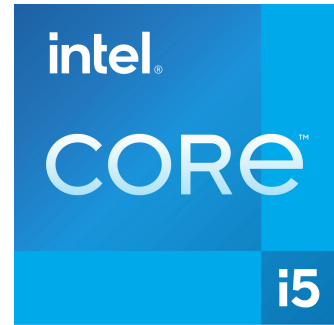
Product family: Core

Product code:
BX8070811600KF

Product name : i5-11600KF

Intel Core i5-11600KF Processor (12MB Cache, up to 4.9 GHz)

Intel Core i5-11600KF. Processor family: Intel® Core™ i5, Processor socket: LGA 1200 (Socket H5), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express configurations: 1x16+1x4, 2x8+1x4, 1x8+3x4. Intel® Turbo Boost Technology 2.0 frequency: 4.9 GHz. Package type: Retail box



| Processor | | Features | |
|--|--------------------------|--|----------|
| Processor manufacturer * | Intel | Export Control Classification Number (ECCN) | 5A992CN3 |
| Processor generation | 11th gen Intel® Core™ i5 | Commodity Classification Automated Tracking System (CCATS) | G167599 |
| Processor model * | i5-11600KF | Processor special features | |
| Processor base frequency * | 3.9 GHz | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor family * | Intel® Core™ i5 | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Processor cores * | 6 | Intel® Turbo Boost Technology | 2.0 |
| Processor socket * | LGA 1200 (Socket H5) | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Component for | PC | Enhanced Intel SpeedStep Technology | ✓ |
| Processor lithography * | 14 nm | Intel Trusted Execution Technology | ✗ |
| Processor threads | 12 | Intel® Thermal Velocity Boost | ✗ |
| System bus rate | 8 GT/s | Intel® Turbo Boost Technology 2.0 frequency | 4.9 GHz |
| Processor operating modes * | 64-bit | Intel® Gaussian & Neural Accelerator (Intel® GNA) 2.0 | ✓ |
| Processor boost frequency | 4.9 GHz | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Processor cache | 12 MB | Intel® Secure Key | ✓ |
| Processor cache type | Smart Cache | Intel Stable Image Platform Program (SIPP) | ✗ |
| Thermal Design Power (TDP) | 125 W | Intel® OS Guard | ✓ |
| Box * | ✓ | Intel Software Guard Extensions (Intel SGX) | ✗ |
| Configurable TDP-down frequency | 3.6 GHz | Intel 64 | ✓ |
| Configurable TDP-down | 95 W | Intel Virtualization Technology (VT-x) | ✓ |
| Memory bandwidth supported by processor (max) | 50 GB/s | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Processor ARK ID | 212276 | Intel Turbo Boost Max Technology 3.0 | ✗ |
| Memory | | Intel® Optane™ Memory Ready | ✓ |
| Maximum internal memory supported by processor | 128 GB | Intel® Boot Guard | ✓ |
| Memory types supported by processor | DDR4-SDRAM | Intel® Deep Learning Boost (Intel® DL Boost) | ✓ |
| Memory clock speeds supported by processor | 3200 MHz | Intel® vPro™ Platform Eligibility | ✗ |
| Memory channels * | Dual-channel | Operational conditions | |
| ECC | ✗ | Tjunction | 100 °C |
| Memory bandwidth (max) | 50 GB/s | | |
| Graphics | | | |
| On-board graphics card * | ✗ | | |
| Discrete graphics card * | ✗ | | |
| On-board graphics card model * | Not available | | |
| Discrete graphics card model * | Not available | | |
| Features | | | |
| Execute Disable Bit | ✓ | | |

| Features | | Technical details | |
|-------------------------------------|----------------------------------|--------------------------------|----------------|
| Idle States | ✓ | Target market | Gaming |
| Thermal Monitoring Technologies | ✓ | Launch date | Q1'21 |
| Market segment | Desktop | Status | Launched |
| Use conditions | PC/Client/Tablet | Supported memory types | DDR4-SDRAM |
| Maximum number of PCI Express lanes | 20 | Packaging data | |
| PCI Express slots version | 4.0 | Package type | Retail box |
| PCI Express configurations | 1x16+1x4, 2x8+1x4, 1x8+3x4 | Weight & dimensions | |
| Supported instruction sets | SSE4.1, SSE4.2, AVX 2.0, AVX-512 | Processor package size | 37.5 x 37.5 mm |
| Scalability | 1S | Other features | |
| CPU configuration (max) | 1 | Maximum internal memory | 128 GB |
| Embedded options available | ✗ | | |
| Harmonized System (HS) code | 85423119 | | |



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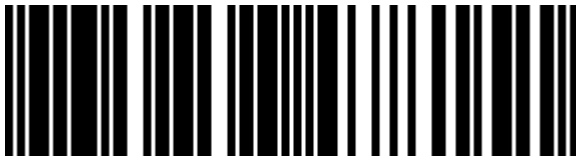
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