

Intel Core i3 i3-14100F / 3.5 GHz processor (BX8071514100F)

Intel Core i3 i3-14100F - 3.5 GHz - 4 cores - 8 threads - 12 MB cache - FCLGA1700 Socket - Box



The Intel Core i3 processor is the perfect entry point for a fast, responsive PC experience. Do not let too many open applications slow you and your PC down. Get smart performance now.

Product Features

Intel smart cache

Intel smart cache is shared cache dynamically allocated to each processor core, based on workload. This efficient, dual-core-optimized implementation increases the probability that each core can access data from the fast cache, significantly reducing latency to frequently used data and improving performance.

Main specifications

Product Description	Intel Core i3 i3-14100F / 3.5 GHz processor - Box
Product Type	Processor
Processor Type	Intel Core i3 i3-14100F (14th Gen)
Number of Cores	Quad-Core / 8 threads
Cache	12 MB
Compatible Processor Socket	FCLGA1700 Socket
Processor Qty	1
Clock Speed	3.5 GHz
Max Turbo Speed	4.7 GHz
Manufacturing Process	10 nm
Features	Intel Gaussian and Neural Accelerator 3.0, Intel Deep Learning Boost (DL Boost), Intel Speed Shift Technology, Intel Turbo Boost Technology 2.0, Instruction Set 64-bit, Hyper-Threading Technology, Intel 64 Technology, Idle States, Enhanced SpeedStep technology, Thermal Monitoring Technologies, Intel Volume Management Device (VMD), Intel AES New Instructions (AES-NI), Intel Secure Key, Intel Control-Flow Enforcement Technology, Intel OS Guard, Execute Disable Bit capability, Intel Boot Guard, Mode-based Execute Control (MBEC), Intel Virtualization Technology for Directed (VT-x), Intel Standard Manageability (ISM), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel Advanced Vector Extensions 2 (AVX2.0), Intel SSE4.1, Intel SSE4.2
Manufacturer Warranty	3-year warranty

Extended specification

General

Product Type	Processor
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Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Processor

Type / Form Factor	Intel Core i3 i3-14100F (14th Gen)
Number of Cores	Quad-Core
Number of Threads	8 threads
Cache	12 MB
Cache Memory Details	Smart Cache - 12 MB L2 - 5 MB
Processor Qty	1

<i>Clock Speed</i>	3.5 GHz
<i>Max Turbo Speed</i>	4.7 GHz
<i>Compatible Processor Socket</i>	FCLGA1700 Socket
<i>Manufacturing Process</i>	10 nm
<i>Thermal Design Power</i>	110 W
<i>Thermal Specification</i>	100 °C
<i>PCI Express Revision</i>	4.0/5.0
<i>PCI Express Configurations</i>	1x16+4, 2x8+4
<i>PCI Express Lanes Qty</i>	20
<i>Architecture Features</i>	Intel Gaussian and Neural Accelerator 3.0, Intel Deep Learning Boost (DL Boost), Intel Speed Shift Technology, Intel Turbo Boost Technology 2.0, Instruction Set 64-bit, Hyper-Threading Technology, Intel 64 Technology, Idle States, Enhanced SpeedStep technology, Thermal Monitoring Technologies, Intel Volume Management Device (VMD), Intel AES New Instructions (AES-NI), Intel Secure Key, Intel Control-Flow Enforcement Technology, Intel OS Guard, Execute Disable Bit capability, Intel Boot Guard, Mode-based Execute Control (MBEC), Intel Virtualization Technology for Directed (VT-x), Intel Standard Manageability (ISM), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel Advanced Vector Extensions 2 (AVX2.0), Intel SSE4.1, Intel SSE4.2

Miscellaneous

<i>Package Type</i>	Intel Boxed
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