ComX Computers
Product Specification Sheet

BX8071514700

Intel 14th Gen Raptor Lake Core i7-14700 20 Core up to 5.4GHz 33MB Smart Cache LGA1700 Processor

Product Overview

Intel 14th Gen Raptor Lake Core i7-14700 20 Core up to 5.4GHz 33MB Smart Cache LGA1700 Processor, Intel 7 Lithography, 8 Performance-cores, 12 Efficient-cores, 28 total threads, 33 MB Intel Smart Cache, 28 MB total L2 Cache, 65 W Processor base Power, 219 W Maximum Turbo Power, Intel Laminar RH1 included, Intel UHD Graphics 770 Graphics, BX8071514700



Specifications

Specifications:

© 2025 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	BX8071514700
Essentials	
Product Collection	Intel Core i7 Processors (14th gen)
Code Name	Products formerly Raptor Lake
Vertical Segment	Desktop
Processor Number	i7-14700
Lithography	Intel 7
Use Conditions	PC/Client/Tablet, Workstation
CPU Specifications	
Total Cores	20
# of Performance-cores	8
# of Efficient-cores	12
Total Threads	28

Max Turbo Frequency	5.4 GHz
Intel Turbo Boost Max Technology 3.0 Frequency	5.4 GHz
Performance-core Max Turbo Frequency	5.3 GHz
Efficient-core Max Turbo Frequency	4.2 GHz
Performance-core Base Frequency	2.1 GHz
Efficient-core Base Frequency	1.5 GHz
Cache	33 MB Intel Smart Cache
Total L2 Cache	28 MB
Processor Base Power	65 W
Maximum Turbo Power	219 W
Supplemental Information	
Marketing Status	Launched
Launch Date	Q1'24
Embedded Options Available	Yes
Memory Specifications	
Max Memory Size (dependent on memory type)	192 GB
Memory Types	Up to DDR5 5600 MT/s
	Up to DDR4 3200 MT/s
Max # of Memory Channels	2
Max Memory Bandwidth	89.6 GB/s
ECC Memory Supported	Yes
GPU Specifications	
GPU Name	Intel UHD Graphics 770
Graphics Base Frequency	300 GHz
Graphics Max Dynamic Frequency	1.6 GHz
Graphics Output	eDP 1.4b, DP 1.4a, HDMI 2.1
Execution Units	32
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* Support	12
OpenGL* Support	4.5
OpenCL* Support	3
Multi-Format Codec Engines	2

Intel Quick Sync Video	Yes
Intel Clear Video HD Technology	Yes
# of Displays Supported	4
Device ID	0xA780
Expansion Options	
Direct Media Interface (DMI) Revision	4
Max # of DMI Lanes	8
Scalability	1S Only
PCI Express Revision	5.0 and 4.0
PCI Express Configurations	Up to 1x16+4, 2x8+4
Max # of PCI Express Lanes	20
Package Specifications	
Sockets Supported	FCLGA1700
Max CPU Configuration	1
Thermal Solution Specification	PCG 2020C
TJUNCTION	100 degreesC
Package Size	45.0 mm x 37.5 mm
Advanced Technologies	
Intel Gaussian & Neural Accelerator	3
Intel Thread Director	Yes
Intel Deep Learning Boost (Intel DL Boost) on CPU	Yes
Intel Speed Shift Technology	Yes
Intel Turbo Boost Max Technology 3.0	Yes
Intel Turbo Boost Technology	2
Intel Hyper-Threading Technology	Yes
Intel 64	Yes
Instruction Set	64-bit
Instruction Set Extensions	Intel SSE4.1, Intel SSE4.2, Intel AVX2
Idle States	Yes
Enhanced Intel SpeedStep Technology	Yes
Thermal Monitoring Technologies	Yes
Intel Volume Management Device (VMD)	Yes
Security & Reliability	

Intel Standard Manageability (ISM)	Yes
Intel Control-Flow Enforcement Technology	Yes
Intel AES New Instructions	Yes
Secure Key	Yes
Intel OS Guard	Yes
Execute Disable Bit	Yes
Intel Boot Guard	Yes
Mode-based Execute Control (MBEC)	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

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/BX8071514700-Intel-14th-Gen-Raptor-Lake-Core-i7-14700-20-Core-up-to-5-4GHz-33MB-Smart-p-321248.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-15 11:18:17.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.