



Intel Core i9 14900K 24 Core Processor, 32 Threads,  
3.0GHz up to 5.8GHz Turbo Raptor Lake Socket LGA  
1700 36MB Cache, 125W, Maximum Turbo Power  
253W, Intel UHD 770 Graphics, No Cooler

**Total Cores**

24

**No of Performance-cores**

8

**No of Efficient-cores**

16

**Total Threads**

32

**Max Turbo Frequency**

5.80 GHz

**Performance-core Max Turbo Frequency**

6.0 GHz

**Efficient-core Max Turbo Frequency**

5.6 GHz

**Performance-core Base Frequency**

3.00 GHz

**Efficient-core Base Frequency**

4.4 GHz

**Cache**

36MB Intel Smart Cache

**Total L2 Cache**

32MB

**Processor Base Power**

125W

**Maximum Turbo Power**

253W

**Max Memory Size (dependent on memory type)**

192 GB

**Memory Types**

Up to DDR5 5600 MT/s

Up to DDR4 3200 MT/s

**Max No of Memory Channels**

2

**Max Memory Bandwidth**

89.6 GB/s

**ECC Memory Supported**

Yes

**Processor Graphics**

Intel UHD Graphics 770

**Graphics Base Frequency**

300 MHz

**Graphics Max Dynamic Frequency**

1.65 GHz

**Graphics Output**

eDP 1.4b, DP 1.4a, HDMI 2.1

**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**

3.0