



AMD Ryzen Threadripper PRO 7975WX 5.3GHz SP6 32C/64T 350W 160MB BOX

Model: 100-100000453WOF

Manufacturer: AMD

EAN: 730143315074

Product Code: 50287

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AMD Ryzen Threadripper PRO processor is the first and only professional workstation-caliber CPU to exploit a 7 nm silicon manufacturing process, allowing engineers to double the density and fueling the transistor budget needed to substantially drive-up core throughput. With the unveiling of the first generation of "Zen" CPU technology, AMD disrupted the status quo with a microarchitecture completely rebuilt from the ground up and optimized for modern single and multi-threaded workloads. With the Threadripper PRO processor's "Zen 2" microarchitecture, improvements are many, but two carry most of the weight, especially where high demand professional computing is concerned: up to 15% faster instructions per cycle (IPC), and an impressive quadrupling of the peak floating point throughput rate. The former comes primarily by the way of improved branch prediction and pre-fetching, supported by much deeper and broader allocation of cache, while the latter is the result achieved by both doubling the width of the FPU data path and doubling density. Supporting

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the increased compute throughput, architects doubled load-store bandwidth and dialed up dispatch and retire bandwidth to minimize the chances the higher throughput ALUs would be starved of data.

Product Description: AMD Ryzen ThreadRipper PRO 7975WX / 4 GHz processor - PIB/WOF | Product Type: Processor | Processor Type: AMD Ryzen ThreadRipper PRO 7975WX | Number of Cores: 32-core / 64 threads | Cache: 128 MB | Compatible Processor Socket: Socket sTR5 | Processor Qty: 1 | Clock Speed: 4 GHz | Max Turbo Speed: 5.3 GHz | Manufacturing Process: 5 nm | Features: "Zen 4" Core Architecture, AMD EXPO Technology, AMD RyzenTechnologies, AMD PRO technologies, AMD Precision Boost 2 Technology

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