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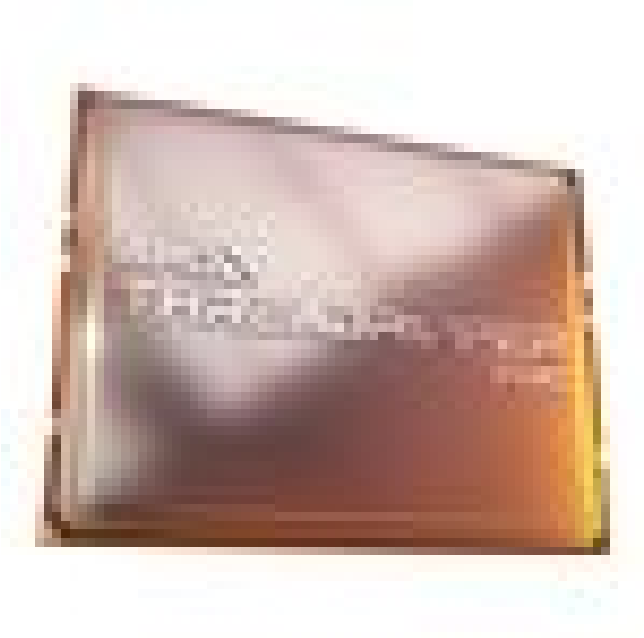

AMD Ryzen Threadripper PRO 5965WX 4.5GHz sWRX8 24C/48T 280W 140MB BOX

Model: 100-100000446WOF

Manufacturer: AMD

EAN: 730143314404

Product Code: 50284

R51,984

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 5965WX / 3.8 GHz processor - PIB/WOF | Product Type: Processor | Processor Type: AMD Ryzen ThreadRipper PRO 5965WX | Number of Cores: 24-core / 48 threads | Cache: 128 MB | Compatible Processor Socket: Socket sWRX8 | Processor Qty: 1 | Clock Speed: 3.8 GHz | Max Turbo Speed: 4.5 GHz | Manufacturing Process: 7 nm | Features: "Zen 3" Core Architecture | Manufacturer Warranty: 3-year warranty

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