5 REASONS AMD EPYC™ 4004 PROCESSORS ARE IDEAL FOR YOUR SMALL BUSINESS

AT A GLANCE

Small businesses and dedicated hosted services benefit from AMD EPYC™ processor-based servers, offering enterprise-class features and reliability. AMD EPYC 4004 processors accommodate entry-level server workloads efficiently and affordably, meeting your all-day, every day processing needs.

1 GET HIGH PRODUCTIVITY

Take advantage of the established value of AMD EPYC processors for business-critical applications. Built on the powerful and efficient "Zen 4" core, AMD EPYC 4004 processors help you pursue your unique business goals by building highly performing servers ideal for growing businesses and dedicated hosting services.

2 FOCUS ON AFFORDABILITY

Get practical performance and scalability for everyday SMB server needs. AMD EPYC 4004 processors are competitively priced so that growing businesses can get the essential server solutions they need without stretching their budgets.

3 CAPITALIZE ON EASE OF USE

AMD EPYC 4004 processors power turnkey, highly accessible, x86 compatible and manageable server solutions from top systems vendors and are validated on key server operating systems, making them simple to deploy and scale for price-conscious buyers who require strong performance and predictable lifecycle planning.

4 COMPUTE WITH EFFICIENCY AND COMPATIBIITY

x86 compatibility makes it straightforward to build an efficient infrastructure without the headaches of wholesale software changes. Compute with confidence, knowing that AMD is committed to supply chain resilience and a long-term processor roadmap.

5 DEFEND YOUR DATA

Gain peace of mind by defending your data against potential security attacks. AMD EPYC 4004 Series processor–based servers offer innovative hardware-based security to help protect your data.

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TECHNICAL DEEP DIVE

#1 GET HIGH PRODUCTIVITY IN SMALL BUSINESS AND DEDICATED HOSTING ENVIRONMENTS

- AMD EPYC 4004 Series processors feature up to 16 high-performance "Zen 4" cores, 32 threads and frequencies up to 5.7GHz.[1]

- Streamlined memory and I/O features are designed to deliver compelling system cost and performance on key customer workloads.

- 16c AMD EPYC 4564P and 8c AMD EPYC 4364P processors outperform 8c Intel Xeon E-2488 processors by 57% and 15% overall geomean, respectively, on 450+ published Phoronix Test Suite (PTS) workloads. E4K-013

#2 FOCUS ON AFFORDABILITY

- Competively priced options and impressive performance per CPU enable a low-cost infrastructure.

- Get the essential server solutions you need affordably. Comparing 1P servers, a 16c AMD EPYC 4584PX CPU delivers 1.67x better integer performance/estimated system $ than an 8c Intel® Xeon® E-2488 CPU. EK4-003A

- Additionally, single-socket 16c AMD EPYC processor-based servers enable you to fully utilize your 16c base Microsoft Windows server license.

#3 CAPITALIZE ON EASE OF USE

- Run your business software quickly and reliably on a highly performing enterprise-class server that is easy to deploy out of the box.

- Quickly deploy and easily manage servers with validated operating system software and remote management capabilities.

#4 COMPUTE WITH EFFICIENCY AND COMPATABILITY

- Full x86 compatibility makes it easy to modernize. Replace legacy servers and applications without wholesale software changes.

- Help reduce your power consumption with CPU energy usage as low as 65W.

- Comparing 1P servers, a 16c AMD EPYC 4584PX CPU delivers 52% better integer performance/estimated system W than an 8c Intel® Xeon® E-2488 CPU. EK4-003A

#5 DEFEND YOUR DATA

- Deploy confidently with server-grade features like error correction code (ECC) memory and software RAID support.

- Help protect sensitive data from sophisticated attacks and avoid downtime with the AMD EPYC processors multilayered, hardware-based approach to security.[2]

- Provide strong data-protection capabilities with AES-128-bit memory encryption.

AMD EPYC 4004 PROCESSORS
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For details on the claims used in this document, visit amd.com/en/legal/claims/epyc.

242668056-A May 2024

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