



DROP THE MIC.

When you use AMD EPYC™ processors, you're epic.

If your customers are looking for flexibility, power and security from their processor purchase, look no further than AMD EPYC™ devices.

AMD EPYC cloud processors are a powerful ally for any business. Right now, the most powerful Computational Fluid Dynamics (CFD) and weather model simulation in the cloud is powered by a supercomputer made up of more than 11,500 EPYC processors. And with partners like AWS, Microsoft Azure and Oracle Cloud, your customers can be sure of a solid performance, whether they choose to go for a bare metal, cloud or virtualised approach.

Here are the key facts you and your customers need to know:

EPYC is ideal for:

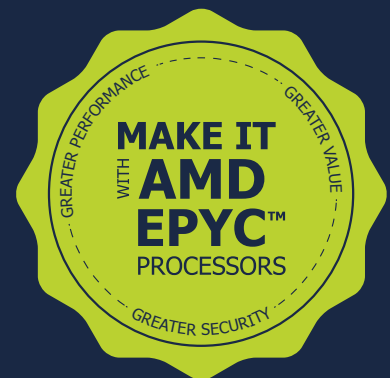
- Virtualised workloads – Hosting and VDI
- Memory centric workloads
- NVMe storage, software defined storage
- High parallel workloads, HPC workloads, GPU compute
- General purpose computing
- One-socket servers

Key stats:

- 33% more memory bandwidth than direct rivals
- 160% more memory capacity than direct rivals
- Up to 32 cores and 64 threads
- Up to 2TB of memory per socket
- 128 PCIe-3 lanes

Key Features:

- **Secure Root-of-Trust (AMD secure processor, secure boot)**
Prevents the use of rootkits/bootkits that inject malicious code prior to an OS loading.
- **Secure Run (SME, SEV)**
SME encrypts system memory. SEV isolates the hypervisor and guest VMs to prevent access to data in shared guest data areas.
- **Secure Move (SEV-enabled servers, APIs, third-party key management)** SEV-enabled servers can establish a secure channel between them and send memory encryption keys to the remote platform.



The EPYC Range:

With 14 options, from 8 to 32 cores, in the EPYC range, here's a select few your customers should consider:

AMD EPYC 7601	AMD EPYC 7371	AMD EPYC 7251
32 cores, 64 threads, 2.2GHz base clock speed. This is the powerhouse of the family, capable of handling anything and everything.	This might have half the cores of the 7601, but a maximum clock speed of 3.8GHz means that, when max power is required, it's no slouch.	The entry to the new EPYC family punches well above its weight. For small servers with lower power requirements, the 120W, 8 core AMD EPYC processor fits right in.