

AMD Presents 64-Core Epyc 7H12 Processor

Written by Marco Attard
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AMD takes to Rome to announce an addition to the 2nd generation Epyc range-- the Epyc 7H12, a 64-core/128-thread processor running at 2.6GHz base frequency (with 3.3GHz max boost frequency) enhanced for use with liquid cooling.



Aimed at HPC customers, the processor achieves 280W TDP and promises "leadership supercomputing performance." According to testing by French partner Atos using the BullSequana XH2000 supercomputer, the Epyc 7H12 achieves a LINPACK score of 4.2 TeraFLOPS, an 11% improvement over the Epyc 7742. For the curious, the BullSequana XH2000 features uses 32 compute direct liquid cooled blades per rack.

Furthermore, AMD uses the Rome event to highlight growing adoption of 2nd gen Epyc processors. Dell EMC announced five PowerEdge platforms using the processors, all built to support features such as PCIe 4.0. IBM is using the processors to support cloud customers in specific areas, as does Nokia in the Cloud Packet Core system delivering converged broadband, IoT and machine-type communication services for 5G.

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“Today, we are proud to have new platforms from Dell and new customers adopting 2nd Gen AMD EPYC for cloud, enterprise computing and HPC,” the company says. “We continue to take the AMD EPYC processor to new heights and are thrilled to have the ecosystem supporting us across hardware, software and cloud providers as we face the challenges of the modern datacentre head-on.”

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