

EPYC 7002-Based HPC Solutions From TYAN

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MiTAC Computing Technology subsidiary TYAN announces a lineup of HPC and storage server platforms based on the AMD EPYC 7002 processors, with offerings primarily aimed at the datacentre market.



“Leveraging AMD’s innovation in 7nm process technology, PCIe 4.0 I/O and an embedded security architecture, TYAN’s new 2nd Gen AMD EPYC processor-based platforms are designed to address the most demanding challenges facing the datacentre”, TYAN says. “Datacentre customers can transform their infrastructure with our latest HPC and storage solutions to drive performance and reduce bottlenecks.”

The Transport HX product line is powered by dual AMD EPYC 7002 series processors, and is designed for demanding and mission-critical workloads. The TYAN 2U Transport HX TN83-B8251 platform supports up to eight 3.5-inch hot-swap SATA or NVMe U.2 tool-less drive bays, and is aimed at AI training and inference applications 4 double-width or 8 single-width GPU cards. It also has 2 PCIe 4.0 x16 cards for high-speed networking.

Meanwhile the Transport HX TS75-B8252 and Transport HX TS75A-B8252 are 2U server platforms with support for 32 DIMM slots and up to 9 PCIe 4.0 slots. Both are optimised for HPC and virtualisation applications. The TS75-B8252 handles up to 12 hot-swap tool-less 3.5-inch drive bays with 4 supporting NVMe U.2 drives, and the TS75A-B8252 accommodates 26 hot-swap, tool-less 2.5-inch drive bays with 8 supporting NVMe U.2 drives.

For data intensive-workloads TYAN has the Transport SX line. The Transport SX TS65-S8036 is a 2U storage server with support for 16 DDR4-3200 DIMM slots, 12 front-access 3.5- and 2 rear-access 2.5-inch hot-swap, tool-less drive bays. The 12 front drive bays are pre-configured to support 10 SATA and 2 NVMe U.2 drives. The other 2U implementation is the Transport SX TS65A-S8036. It supports 26 front-access and 2 rear-access 2.5-inch hot-swap, tool-less drive bays for high-performance data streaming applications. Customers can configure the 26 front drive bays 26 SATA, or 10 SATA and 16 NVMe U.2 drives.

When it comes to CSP architecture, TYAN has the Transport SX GC68-B8036 and Transport SX GC68A-B8036. Both are 1U servers, with the GC68-B8036 being a self-contained server supporting four 3.5- and four 2.5-inch hot-swap, tool-less drive bays. The GC68A-B8036 supports twelve 2.5-inch hot-swap, tool-less drive bays and by deploying 12 NVMe U.2 drives.

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