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# TYAN Launches AMD EPYC™ 7002 Series Processor-Based HPC and Storage Server Platforms at SC19

## *TYAN’s Transport Product Line Designed to Deliver Maximum Performance with AMD EPYC™ 7002 Series Processors to Power the Datacenter*

***Denver, Colorado – Supercomputing 2019 – Nov 18, 2019 –*** TYAN®, an industry-leading server platform design manufacturer and a MiTAC Computing Technology Corporation subsidiary, rolled out the latest lineup of HPC and storage server platforms based on the AMD EPYC™ 7002 Series processors that are aimed at the datacenter market at SC19 in Denver, Colorado, November 18-21.  
  
“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](https://www.tyan.com/EN/campaign/amd/2nd_gen_amd_epyc_platforms/) are designed to address the most demanding challenges facing the datacenter”, said Danny Hsu, Vice President of MiTAC Computing Technology Corporation's TYAN Business Unit. “Datacenter customers can transform their infrastructure with our latest HPC and storage solutions to drive performance and reduce bottlenecks.”  
  
“The 2nd Gen AMD EPYC processor was designed to provide customers with leadership in architecture, performance, and security,” said Scott Aylor, corporate vice president and general manager, Data Center Solutions Group, AMD. “We’re excited to see our partners, like TYAN, continue to build their portfolios around 2nd Gen EPYC to provide new capabilities for their customers and partners.”

### Transport HX Product Line to Scale the Most Demanding HPC and AI Applications

Powered by dual AMD EPYC 7002 Series processors, TYAN’s Transport HX product line is designed to deliver exceptional performance for most demanding and mission-critical workloads. TYAN’s 2U [Transport HX TN83-B8251](https://www.tyan.com/Barebones_TN83B8251_B8251T83E8HR-2T-N) server platform features support for eight 3.5” hot-swap SATA or NVMe U.2 tool-less drive bays, and is ideal for AI training and inference applications deploying 4 double-width or 8 single-width GPU cards, and 2 PCIe 4.0 x16 high-speed networking cards.  
  
The [Transport HX TS75-B8252](https://www.tyan.com/Barebones_TS75B8252_B8252T75V8E4HR-2T) and Transport HX TS75A-B8252 are 2U server platforms with support for 32 DIMM slots and up to 9 PCIe 4.0 slots. Both server platforms are optimized for HPC and Virtualization applications. The TS75-B8252 accommodates 12 hot-swap, tool-less 3.5” drive bays with 4 supporting NVMe U.2 drives; TS75A-B8252 accommodates 26 hot-swap, tool-less 2.5” drive bays with 8 supporting NVMe U.2 drives.

### Transport SX Product Line to Satisfy Data-driven Workloads

Designed for data-intensive workloads, TYAN’s Transport SX product line supports the single-socket AMD EPYC 7002 Series processor and provides a reliable, cost-effective server-based storage solution for prevailing software defined storage implementations. TYAN’s [Transport SX TS65-S8036](https://www.tyan.com/Barebones_TS65B8036_B8036T65V10E4HR) is a 2U storage server with support for 16 DDR4-3200 DIMM slots, 12 front-access 3.5” and 2 rear-access 2.5” hot-swap, tool-less drive bays for data storage applications, the 12 front drive bays are pre-configured to support 10 SATA and 2 NVMe U.2 drives. The Transport SX TS65A-S8036 is the other 2U implementation, which supports 26 front-access and 2 rear-access 2.5” hot-swap, tool-less drive bays for high-performance data streaming applications, the 26 front drive bays can be configured as 26 SATA, or 10 SATA and 16 NVMe U.2 drives.  
  
As high density servers with power-efficient computing feature demands are growing in CSP IT infrastructure, TYAN’s Transport SX GC68-B8036 and Transport SX GC68A-B8036 are both 1U servers optimized for typical CSP implementation scenarios. GC68-B8036 is a self-contained server supporting four 3.5” and four 2.5” hot-swap, tool-less drive bays that meet most compute and storage requirements; GC68A-B8036 supports twelve 2.5” hot-swap, tool-less drive bays and by deploying 12 NVMe U.2 drives. The system provides outstanding I/O performance for data streaming applications.

### Supporting Resources:

Watch video about [TYAN’s Transport Product Line based on AMD EPYC 7002 Series processors](https://www.youtube.com/watch?v=wuzars44Z5c)  
Learn more about [TYAN’s new 2nd Gen AMD EPYC processor-based platforms](https://www.tyan.com/EN/campaign/amd/2nd_gen_amd_epyc_platforms/)

### TYAN Product Exhibits @SC19

### HPC Platforms:

* [Transport HX TN83-B8251](https://www.tyan.com/Barebones_TN83B8251_B8251T83E8HR-2T-N): 2U dual-socket AMD EPYC 7002 Series Processor-based platform supports 16 DDR4-3200 DIMM slots, 4 double-width PCIe 4.0 x16 GPU card slots, 2 spare PCIe 4.0 x16 slots, and eight 3.5” hot-swap, tool-less SATA / NVMe U.2 drive bays
* [Transport HX TS75-B8252](https://www.tyan.com/Barebones_TS75B8252_B8252T75V8E4HR-2T): 2U dual-socket AMD EPYC 7002 Series Processor-based platform supports 32 DDR4-3200 DIMM slots, 9 PCIe 4.0 x8 slots (2 double-width, active-cooled professional GPU cards are supported by configuration), and twelve 3.5” hot-swap, tool-less SATA drive bays with 4 bays supporting NVMe U.2 drives by configuration
* Transport HX TS75A-B8252: 2U dual-socket AMD EPYC 7002 Series Processor-based platform supports 32 DDR4-3200 DIMM slots, 9 PCIe 4.0 x8 slots (2 double-width, active-cooled professional GPU cards are supported by configuration), and 26 hot-swap, tool-less 2.5” SATA drive bays with 8 bays supporting NVMe U.2 drives by configuration

### Storage Platforms:

* [Transport SX TS65-B8036](https://www.tyan.com/Barebones_TS65B8036_B8036T65V10E4HR): 2U single-socket AMD EPYC 7002 Series Processor-based platform supports 16 DDR4-3200 DIMM slots, 5 PCIe 4.0 x8 slots, 1 OCP 2.0 LAN mezzanine slot, 12 front-access hot-swap, tool-less drive 3.5” bays with 2 bays supporting NVMe U.2 drives by configuration, and two 2.5” rear-access hot-swap, tool-less SATA drive bays
* Transport SX TS65A-S8036: 2U single-socket AMD EPYC 7002 Series Processor-based platform supports 16 DDR4-3200 DIMM slots, 5 PCIe 4.0 x8 slots, 1 OCP 2.0 LAN mezzanine slot, 26 2.5” front-access hot-swap, tool-less drive bays with 16 bays supporting NVMe U.2 drives by configuration, and 2 2.5” rear-access hot-swap, tool-less SATA drive bays
* Transport SX GC68-B8036: 1U single-socket AMD EPYC 7002 Series Processor-based platform supports 16 DDR4-3200 DIMM slots, 2 PCIe 4.0 x16 slots, 1 OCP 2.0 LAN mezzanine slot, four 3.5” SATA drive bays and four 2.5” NVMe U.2 drive bays. All drive bays are tool-less and hot-swappable
* Transport SX GC68A-B8036: 1U single-socket AMD EPYC 7002 Series Processor-based platform supports 16 DDR4-3200 DIMM slots, 2 PCIe 4.0 x16 slots, 1 OCP 2.0 LAN mezzanine slot, 12 2.5” hot-swap, tool-less drive bays. The 12 drive bays support SAS/SATA or NVMe U.2 drives by configuration

### Server Motherboards:

* [Tomcat SX S8036](https://www.tyan.com/Motherboards_S8036_S8036GM2NE): single-socket AMD EPYC 7002 Series Processor-based server motherboard in EATX (12” x 13”) form factor supports 16 DDR4-3200 DIMM slots, 2 PCIe 4.0 x24 slots for risers, 8 PCIe 4.0 x8 SlimSAS connectors, 2 PCIe 4.0 NVMe M.2, and 1 OCP 2.0 LAN mezzanine slot for rack-optimized server deployment
* [Tomcat HX S8030](https://www.tyan.com/Motherboards_S8030_S8030GM4NE-2T): single-socket AMD EPYC 7002 Series Processor-based server motherboard in ATX (12” x 9.6”) form factor supports 8 DDR4-3200 DIMM slots, 5 PCIe 4.0 x16 slots, 2 PCIe 4.0 x8 SlimSAS connectors, and 2 PCIe 4.0 NVMe M.2 for compact GPGPU server or CSP entry server deployment
* [Tomcat EX S8020](https://www.tyan.com/Motherboards_S8020_S8020AGM2NR-EX): single-socket 2nd Gen AMD Ryzen™ Threadripper™ Processor-based workstation motherboard in ATX (12” x 9.6”) form factor supports 8 DDR4-2933 DIMM slots, 4 PCIe 3.0 x16 slots, and 2 PCIe 3.0 NVMe M.2 for compact data science workstation deployment

### About TYAN

TYAN, as a leading server brand of MiTAC Computing Technology Corporation under the MiTAC Group (TSE:3706), designs, manufactures and markets advanced x86 and x86-64 server/workstation board technology, platforms and server solution products. Its products are sold to OEMs, VARs, System Integrators and Resellers worldwide for a wide range of applications. TYAN enables its customers to be technology leaders by providing scalable, highly-integrated, and reliable products for a wide range of applications such as server appliances and solutions for HPC, hyper-scale/data center, server storage and security appliance markets. For more information, visit MiTAC’s website at <http://www.mic-holdings.com> or TYAN’s website at <http://www.tyan.com>  
  
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