Tyran

Transport & Tomcat Solutions

AMD EPYC™ 7000 Series Processor

World Class Server Platforms
Tyan Transport series is a line of server barebones based on the AMD ZEN architecture including the AMD EPYC processor. These barebones are designed to offer best in class server technology to our customers. Tyan Transport server barebones are built to inventory and are warehoused in the USA, EU, and China.

Tyan’s Tomcat line of motherboards are designed to pack the latest of AMD’s ZEN architecture into commodity off the shelf chassis. Tyan Tomcat server motherboards are tested to the highest of design and quality standards. Like Tyan’s Transport server barebones, these motherboards are warehoused in the USA, EU, and China.

1U1S storage server platform designed for all-flash storage applications

Model Number | GT62F-B8026
---|---
Enclosure Form Factor | 1U (24.6” in depth)
Supported CPU | (1) AMD EPYC™ 7000 series processor
Number of DIMM Slot | 16
Memory Type (max. capacity) | Follow latest AMD Naples Platform DDR4 Memory POR* RDMX/LRDIMM 2666/2400 (1.024GB)
*: Actual memory speed depends on memory population topology
Storage Controller | AMD EPYC 7000 series processor (SATA 6Gb/s)
RAID Support | N/A
Networking | (2) GbE + (1) IPMI
PCI Expansion Slots | (2) PCI-E Gen3 x8 + (1) PCI-E Gen3 x16 OCP 2.0 Mezz. + (2) NVMe M.2 (22110/2280/2260/2242) slots
Power Supply | (1+1) 1700W RPSU

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<th>Model Number</th>
<th># Storage Bay</th>
<th># PCIe slots</th>
<th>Networking</th>
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<tbody>
<tr>
<td>B8S28E62GSE10HR</td>
<td>(10) hot-swap 2.5&quot; (SAS/SATA only)</td>
<td>(2) PCIe x16 + (1) OCP Mezz. + (2) M.2</td>
<td>(2) 1000Base-T (IPMI)</td>
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<td>B8S28E62GSE10HR-LE</td>
<td>(10) hot-swap 2.5&quot; (SAS/SATA only)</td>
<td>(2) PCIe x16 + (1) OCP Mezz. + (2) M.2</td>
<td>(1) 1000Base-T (IPMI)</td>
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2U1S storage server platform designed for all-flash storage applications

Model Number | TN70A-B8026
---|---
Enclosure Form Factor | 2U (27.5” in depth)
Supported CPU | (1) AMD EPYC™ 7000 series processor
Number of DIMM Slot | 16
Memory Type (max. capacity) | Follow latest AMD Naples Platform DDR4 Memory POR* RDMX/LRDIMM 2666/2400 (1.024GB)
*: Actual memory speed depends on memory population topology
Storage Controller | AMD EPYC 7000 series processor (SATA 6Gb/s)
RAID Support | N/A
Networking | (2) GbE + (1) IPMI
PCI Expansion Slots | Up to (5) PCI-E Gen3 x8 + (1) PCI-E Gen3 x16 OCP 2.0 Mezz. + (2) NVMe M.2 (22110/2280/2260/2242) slots
Power Supply | (1+1) 1700W RPSU

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<tr>
<td>B8S28E70GVA2EH</td>
<td>(24) hot-swap 2.5&quot; (SAS/SATA) @ front + (2) hot-swap 2.5&quot; (SAS/SATA) @ rear</td>
<td>(1) PCI-E Gen3 x8 + (1) OCP Mezz. + (2) M.2</td>
<td>(2) 1000Base-T + (1) 1000Base-T (IPMI)</td>
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<td>B8S28E70GVA18EH</td>
<td>(24) hot-swap 2.5&quot; (16 SAS/SATA + 8 NVMe U.2) @ front + (2) hot-swap 2.5&quot; (SAS/SATA) @ rear</td>
<td>(5) PCIe x8 + (1) OCP Mezz. + (2) M.2</td>
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2U1S storage server platform designed for hybrid storage applications

Model Number | TN70E-B8026
---|---
Enclosure Form Factor | 2U (27.5” in depth)
Supported CPU | (1) AMD EPYC™ 7000 series processor
Number of DIMM Slot | 16
Memory Type (max. capacity) | Follow latest AMD Naples Platform DDR4 Memory POR* RDMX/LRDIMM 2666/2400 (1.024GB)
*: Actual memory speed depends on memory population topology
Storage Controller | AMD EPYC 7000 series processor (SATA 6Gb/s)
RAID Support | N/A
Networking | (2) GbE + (1) IPMI
PCI Expansion Slots | Up to (5) PCI-E Gen3 x8 + (1) PCI-E Gen3 x16 OCP 2.0 Mezz. + (2) NVMe M.2 (22110/2280/2260/2242) slots
Power Supply | (1+1) 1700W RPSU

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<tr>
<td>B8S28E70GVE18EH</td>
<td>(12) hot-swap 3.5&quot; (SAS/SATA + 4 NVMe U.2) @ front + (2) hot-swap 2.5&quot; (SAS/SATA) @ rear</td>
<td>(3) PCIe x8 + (1) OCP Mezz. + (2) M.2</td>
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<td>(24) hot-swap 2.5&quot; (24 SAS/SATA) @ front + (2) hot-swap 2.5&quot; (SAS/SATA) @ rear</td>
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Model Number | TN70E-B8026
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Enclosure Form Factor | 2U (27.5” in depth)
Supported CPU | (1) AMD EPYC™ 7000 series processor
Number of DIMM Slot | 16
Memory Type (max. capacity) | Follow latest AMD Naples Platform DDR4 Memory POR* RDMX/LRDIMM 2666/2400 (1.024GB)
*: Actual memory speed depends on memory population topology
Storage Controller | AMD EPYC 7000 series processor (SATA 6Gb/s)
RAID Support | N/A
Networking | (2) GbE + (1) IPMI
PCI Expansion Slots | Up to (5) PCI-E Gen3 x8 + (1) PCI-E Gen3 x16 OCP 2.0 Mezz. + (2) NVMe M.2 (22110/2280/2260/2242) slots
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Number of DIMM Slot | 16
Memory Type (max. capacity) | Follow latest AMD Naples Platform DDR4 Memory POR* RDMX/LRDIMM 2666/2400 (1.024GB)
*: Actual memory speed depends on memory population topology
Storage Controller | AMD EPYC 7000 series processor (SATA 6Gb/s)
RAID Support | N/A
Networking | (2) GbE + (1) IPMI
PCI Expansion Slots | Up to (5) PCI-E Gen3 x8 + (1) PCI-E Gen3 x16 OCP 2.0 Mezz. + (2) NVMe M.2 (22110/2280/2260/2242) slots
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**Single-socket server motherboard designed for all-flash storage server deployment**

**Processor**
- (1) AMD EPYC™ 7000 series processor

**Memory**
- (16) DDR4 DIMM slots

**Expansion**
- (1) PCIe x24 slot
- (1) PCIe x24 slot (w/ x16 link)

**Storage**
- (2) OCuLink 8x (SFF-8612) connectors for 16x NVMe connectivity

**Network**
- (2) 1000Base-T ports (Broadcom® BCM5720)

**Video**
- ASPEED AST2500 Integrated Graphics

**Form Factor**
- E-ATX

**Power Supply**
- (1+1) 1,200W RPSU

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**Embedded Board**

**2U2S server platform designed for all-flash / HPC / Virtualization applications**

**Model Number**
- TN76A-B8242

**Enclosure Form Factor**
- TN76A-B8242

**Supported CPU**
- (2) AMD EPYC™ 7000 series processor

**Number of DIMM Slot**
- 32 (16+16)

**Memory Type**
- Follow latest AMD Naples Platform DDR4 Memory POR

**Storage Controller**
- AMD EPYC 7000 series processor (SATA 6Gb/s)

**RAID Support**
- N/A

**Networking**
- (2) 25GbE SFP28 + (1) IPMI

**PCI Expansion Slots**
- (4) double-width PCI-E Gen3 x16 + (1) single-width PCI-E Gen3 x16

**Power Supply**
- (1+1) 1,600W RPSU

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**Single-socket motherboard designed for embedded applications**

**Processor**
- (1) AMD Ryzen series processor

**Memory**
- (4) DDR4 DIMM slots

**Expansion**
- (1) PCIe x8 slot

**Storage**
- (1) SATA 8Gb/s connectors

**Network**
- (2) 1000Base-T ports (Intel® I210)

**Video**
- Onboard AMD Embedded Radeon™ E8860 Graphics

**Audio**
- (1) 2.1 Audio

**Management**
- iBMC w/ iKVM (S8015AGM2N-EX SKU)

**Form Factor**
- Mini-ITX

**Power Supply**
- (1) 1,200W RPSU

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**1U1S GPGPU server platform designed for AI/Machine Learning and HPC applications**

**Model Number**
- GA88-B8021

**Enclosure Form Factor**
- GA88-B8021

**Supported CPU**
- (1) AMD EPYC™ 7000 series processor

**Number of DIMM Slot**
- 16

**Memory Type**
- Follow latest AMD Naples Platform DDR4 Memory POR

**Storage Controller**
- AMD EPYC 7000 series processor (SATA 6Gb/s)

**RAID Support**
- N/A

**Networking**
- (2) 10GbE + (1) IPMI

**PCI Expansion Slots**
- (4) double-width PCI-E Gen3 x16 + (1) single-width PCI-E Gen3 x16

**Power Supply**
- (1+1) 1,800W RPSU