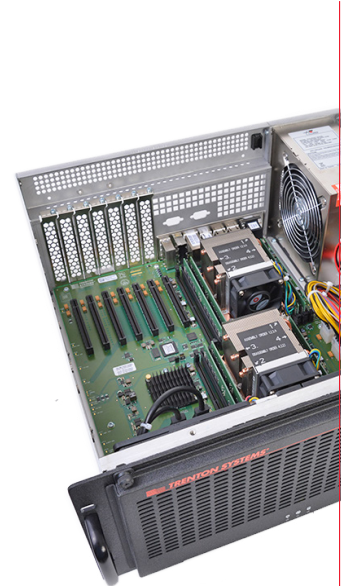
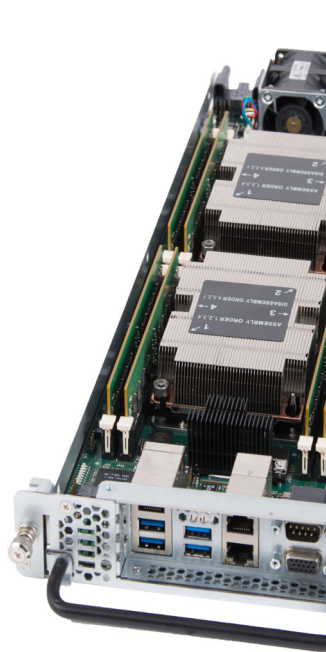
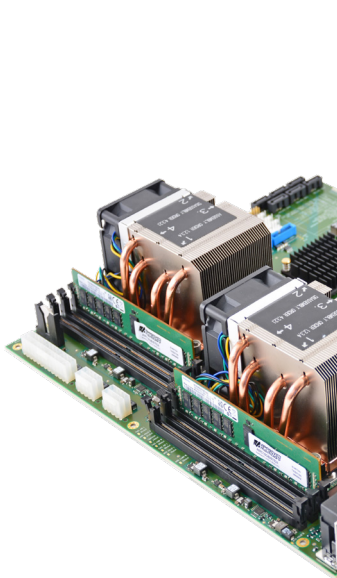


THE NEXT EVOLUTION OF RUGGED COMPUTING

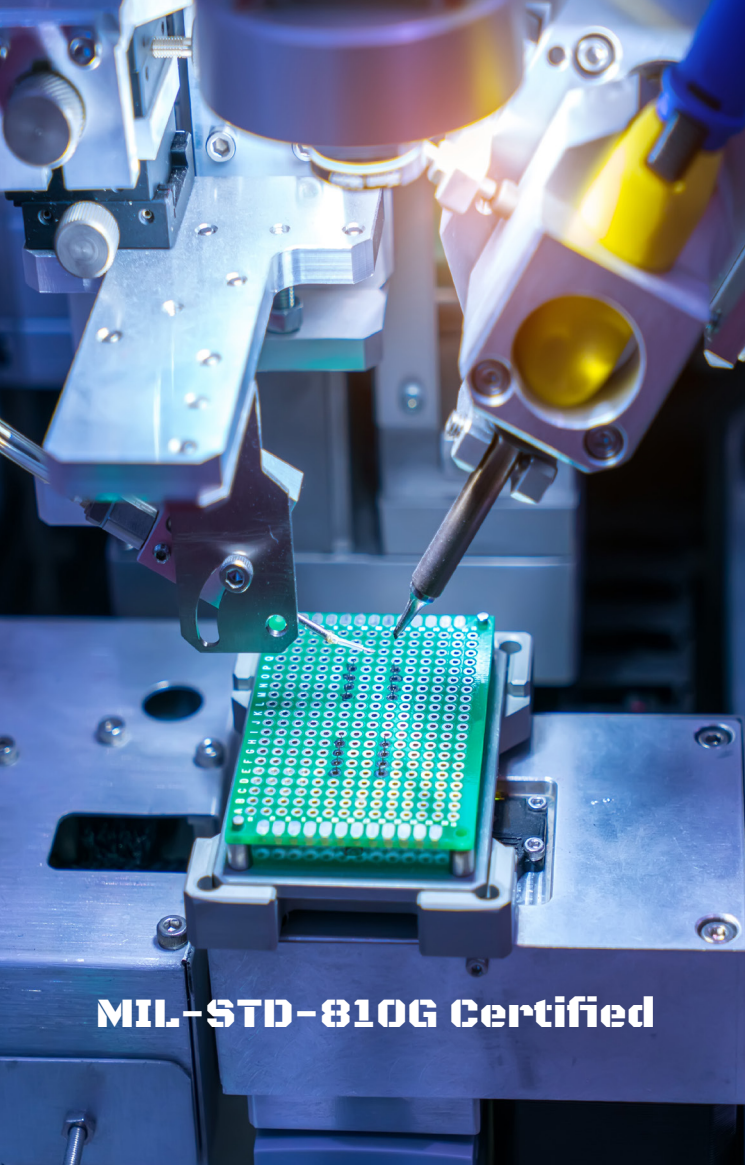


ENGINEERED TO LAST

STRATEGICALLY DESIGNED,
MANUFACTURED, AND ASSEMBLED
TO MEET YOUR RUGGED
COMPUTING REQUIREMENTS.



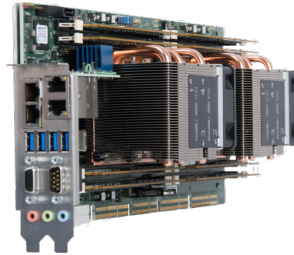
MIL-STD-810G Certified



MIL-STD-810G Certified

Xeon® flexibility

SEP8253

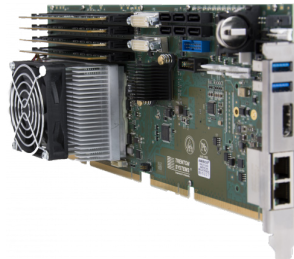


- HDEC
- Skylake-SP
- 1.5TB DDR4-2666
- 88 Lanes of PCIe Gen3

Rugged yet flexible high-end Xeon® Silver/Gold HDEC processors ideal for 2U-5U chassis and up to 18 PCIe slots.

Core performance

TKL8255



- PICMG 1.3
- Skylake-S
- 64GB DDR4-2400
- PCIe Gen3

PICMG 1.3 performance with 6th Gen Core™ i3/i5/i7 or Xeon® E3 with a wide array of chassis and backplane options.

Compact 2U

BPC8219



- PICMG 1.3
- Three x16 Gen2
- One x4 Gen2
- 13" x 3.3" 2U Butterfly

Compact 2U butterfly, PICMG 1.3 backplane which is ideal for 2U chassis and Xeon® or Core™ i3/i5/i7 applications.

SWaP Performance

TRC2009



- 2U high, 18" deep
- 4 plug-in option cards
- Removable 2.5" drives per bay
- 650W PSU or 600W rPSU

4 full-height, full-length PCIe cards with an integrated option card hold-down system that battle vibration through the harshest environments.

System Bandwidth

THS4086



- 4U high, 16.5" deep
- 4 - 3.5" Drive Bays
- Up to 8 - 2.5" HDDs/SSDs
- 860W PSU

The unique design saves component rack space while maximizing application flexibility for long-life and trouble-free deployments.

Uncompromising

THS5087



- 5U high, 23" deep
- Up to 18 PCIe slots
- Four 3.5" drive bays
- Up to 2400W N+1 Redundant

Ultimate, no compromising HDEC chassis with up to 18 PCIe slots, four 3.5" drive bays, N+1 power supply, and a dual Xeon® processor board in a compact 23" depth.

24EVO

2U JBOD Server



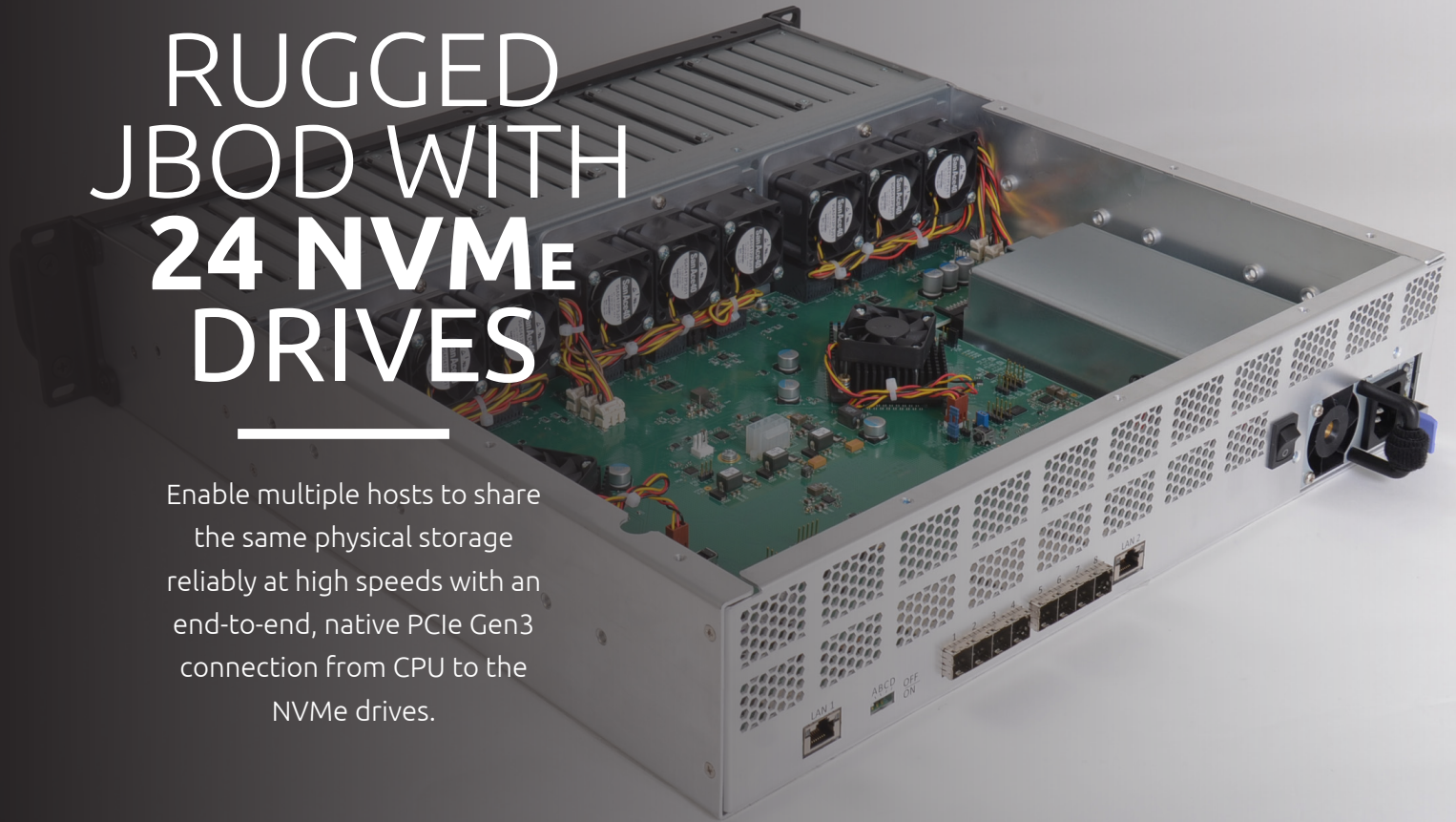
16.2" deep

27GB/s read/write speeds,
perfect for applications with a
ton of bandwidth needs

Easily remove SSDs and lock
them back in place using the
innovative lever design

RUGGED JBOD WITH **24 NVMe** DRIVES

Enable multiple hosts to share the same physical storage reliably at high speeds with an end-to-end, native PCIe Gen3 connection from CPU to the NVMe drives.



MIL-STD-810G Certified

Rugged Motherboard SERVER - SSP8268

2 Intel® Xeon® SP CPUs

12 DDR4 ECC RDIMMs

7 PCIe Slots

7 Gigabit Ethernet Ports

LGA3647 (Socket P)

NVMe U.2

TPM 2.0 down on the board

IPMI Remote Management

Certified ruggedness with long-life

components. Stress-tested and certified to MIL-STD-810G for extreme shock & vibe settings, making it the perfect choice for military and other harsh-environment computing applications. Comes standard with TPM 2.0, IPMI Remote Management & Monitoring, and NVMe Ports.

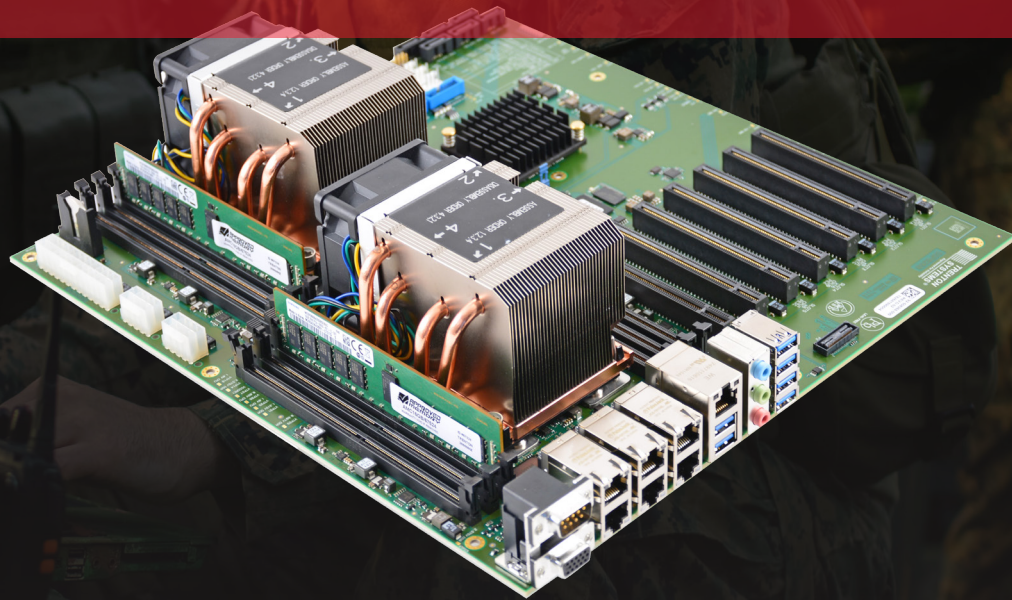


4U



2U

PROGRESS WITHOUT **COMPROMISE**

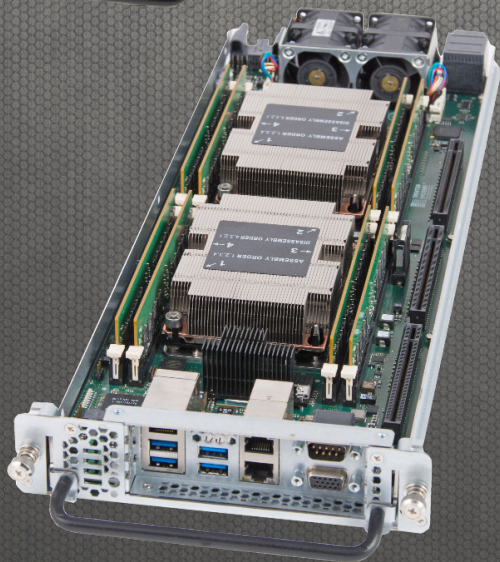
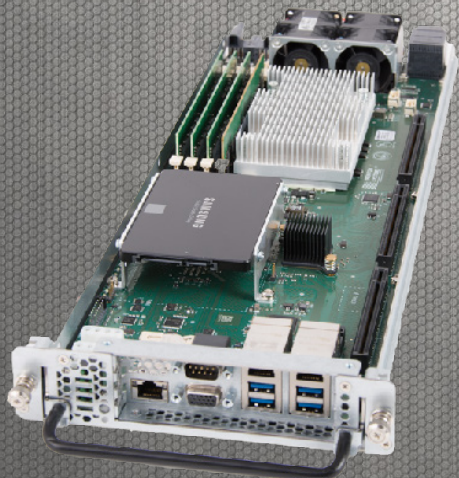


Blade Servers

Ideal for size-constrained, high-end compute applications. Extremely rugged, yet lightweight, Trenton Systems' Modular Blade Systems product line can be configured to meet your unique system requirements.



MIL-STD-810G Certified



SIMPLY STATED,
THE PROCESSING
POWER, RAM, AND
I/O IN SUCH A SMALL
PHYSICAL SPACE IS
TRULY UNIQUE IN
THE INDUSTRY.

Unbelievably light. Undeniably powerful.

The lightest 1U rugged computer with the latest single or dual Intel® Xeon® or Core™ Series processors. How light? Try **12.5lbs** fully loaded! Trenton Ruggedness is standard with the high-quality, lightweight aluminum enclosure. Talk about SWaP Optimization inside & out.



TRC1001

Four USB 3.0 ports and four M.2s per blade provide you with the fastest high-speed data transmission capabilities in a 1U rugged computer on the market today.



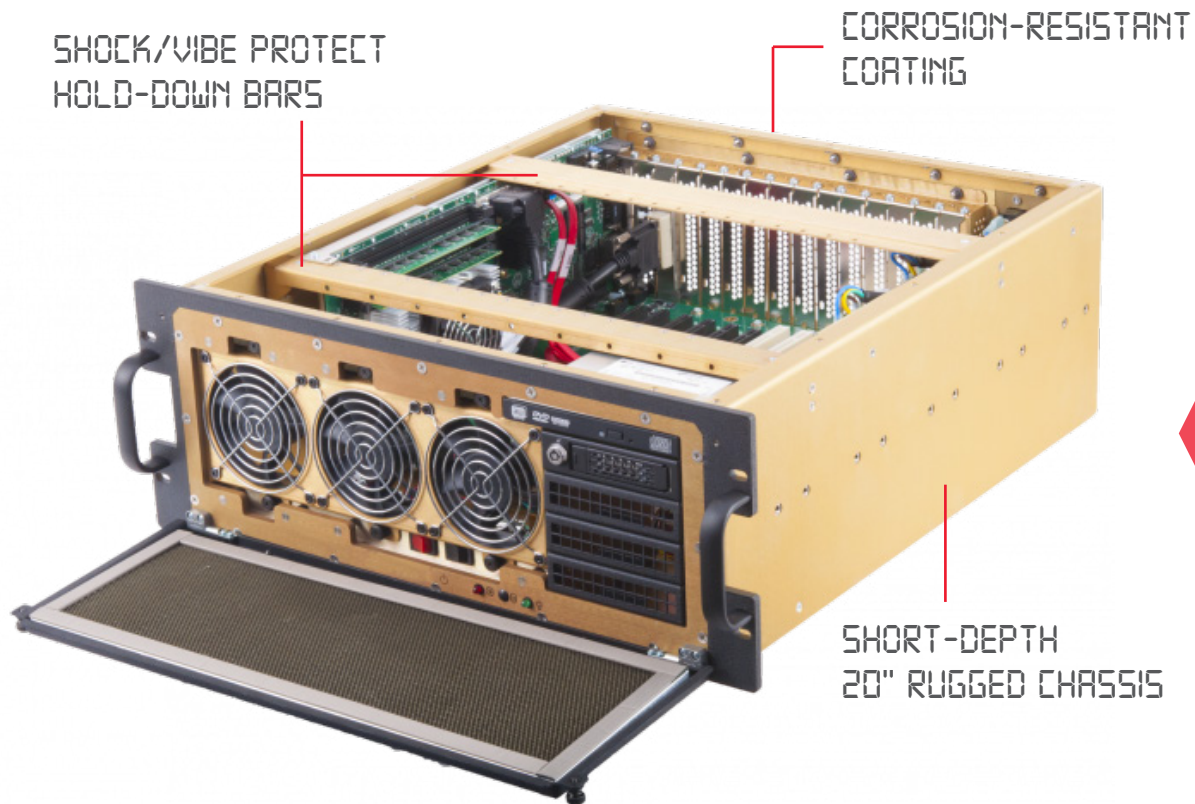
TRC1002

SWaP-optimized like it's partner in crime the TRC1001 but also offers room for two full-height, 3/4 length PCIe slots in a 1U rugged chassis.



A person in military gear, including a helmet and flight suit, is walking away from the camera on a wet runway. The runway has a yellow center line and is reflecting the sky and clouds. In the background, a large propeller aircraft is visible. The sky is blue with scattered white clouds. A semi-transparent red banner is overlaid across the middle of the image, containing the text 'SWAP-OPTIMIZED RUGGEDNESS' in white.

SWAP-OPTIMIZED RUGGEDNESS



RUGGED MILITARY SERVER

Combat Extreme Shock, Vibe, and Temp Fluctuations with Ease

MIL-S-901D Barge Test Certified

Protect all internal components with robust hold-down bars in a corrosion-resistant rugged chassis. The US-made TMS4711 holds up to 16 SSDs, 1 SlimLine DVD drive, two 500W Redundant Power Supplies, up to 12 PCIe Slots, and runs with a single or dual CPU configuration offering you the flexibility and performance your program demands.

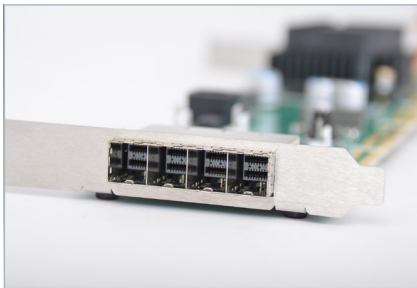
PCIe GEN3 EXPANSION KIT

Expand your PCIe capabilities with the most reliable PCIe Expansion on the market

Expand as far as your application demands it

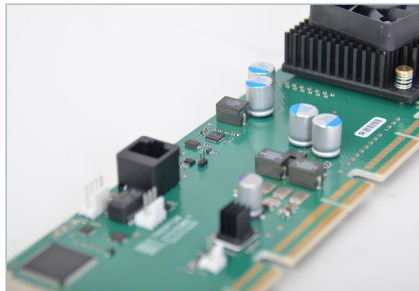
Plug the Trenton Rugged™ PCIe Expansion kit into any of your existing PCIe slots and expand using our PCIe Backplanes that offer up to 18 additional slots at Gen3 speeds!

PRODUCT DETAILS



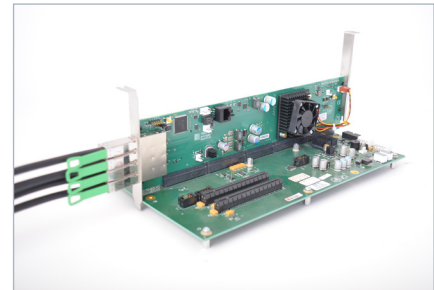
96 Total Lanes

16 lanes upstream to the host and 80 lanes down to the PCIe Backplane for an unmatched PCIe slot offering.



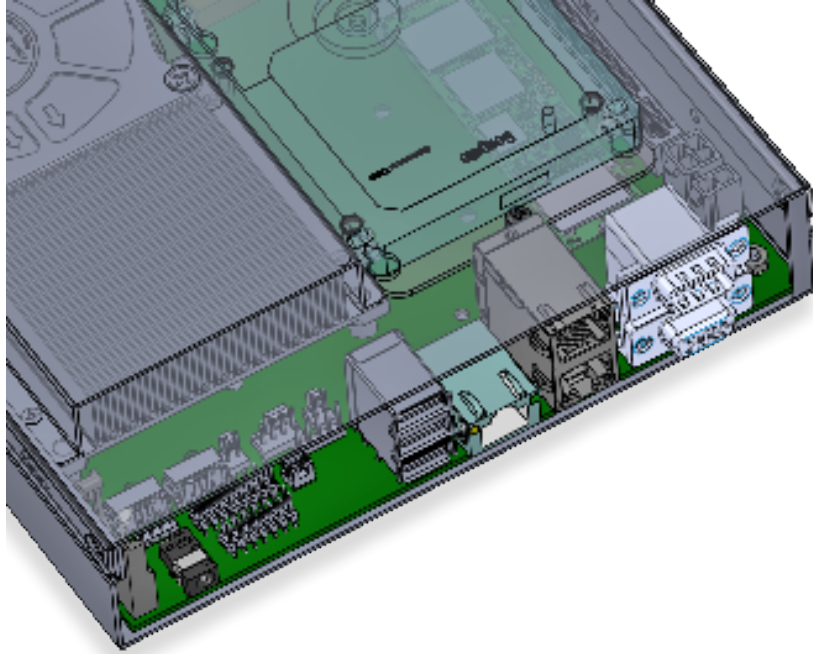
1GbE Interface

1Gb Ethernet interface for management. Internal RJ45 with removable Link/ACT & Speed LEDs.



Low Power, Low Profile

You can even use this low profile PCIe Expansion card in a 2U rugged server.



Rugged ION MINI PC



CORE™ I SERIES CPUS UP TO 85W POWER SUPPLY
TWO DDR4-2133 DIMMS WITH UP TO 32GB MEMORY
2 X GBE I350 PORTS & 1 GBE I210 MANAGEMENT PORT
6 X USB 3.0 PORTS (3 ON FRONT, 3 ON REAR)
HDD AND M.2 DRIVES FOR INTERNAL STORAGE

DESIGNED | MANUFACTURED | SUPPORTED BY
TRENTON SYSTEMS

For today & beyond.

Face the world's most complex rugged computing challenges at any point in time - and dominate.

| | Form Factor |
|----------------|-------------|
| Single CPU | PICMG 1.3 |
| | MBS |
| | Motherboard |
| | Mini PC |
| | Mini-ITX |
| Dual CPU | HDEC |
| | MBS |
| | Motherboard |
| Xeon D | COM Express |
| Backplanes | |
| PCIe Expansion | HDEC |
| Storage | |
| Custom | |

| 2017 | 2018 | 2019 | 2020 | 2021 |
|---------|---------|--------------------------|---------------------|---------------|
| TKL8255 | | | Next Gen - Q4 | |
| MBK8257 | | | | |
| | | | | Next Gen - Q4 |
| | | Coffee Lake Refresh - Q4 | | |
| | | Coffee Lake Refresh - Q4 | | |
| SEP8253 | | Cascade Lake - Q2 | | |
| MSL8256 | | Cascade Lake - Q3 | | |
| | SSP8268 | Cascade Lake - Q2 | Next Gen - Q3 | |
| | | | Skylake-D - Q2 | |
| | | | PCIe Gen4 | |
| | | PCIe Gen3 - Q2 | PCIe Gen4 - Q4 | |
| | RSC2403 | JBOD 24 Drive - Q3 | Supreme Ruler | |
| | | | Coffee Lake Refresh | |

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MADE
**QUALITY
LEADER**

A global leader in customer-driven computing solutions. We are committed to exceeding the customer's expectations of product quality, reliable services, and on-time delivery.



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