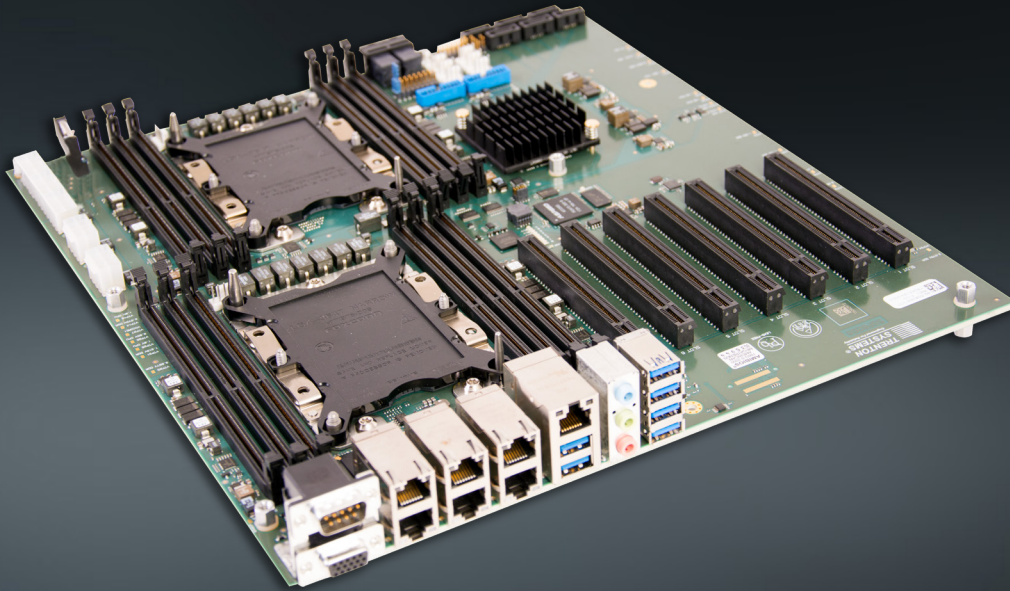




**TRENTON
SYSTEMS**
Rugged Computers

**SSP8268
Motherboard**



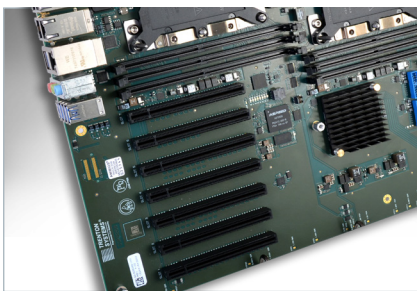
DUAL INTEL® XEON® CASCADE LAKE-SP CPUs & 7 PCIe SLOTS

Long-life high-performance motherboard manufactured in the USA

Built like a tank

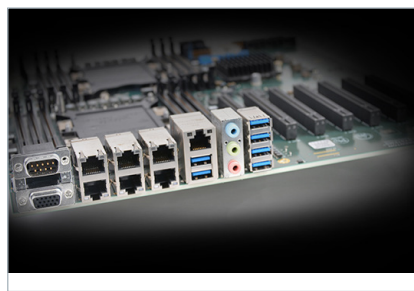
Astonishing performance using multi-core CPUs & revision-controlled long-life components designed for rugged environments. Stress-tested for extreme shock & vibrate settings, making it the perfect choice for industrial, military, and other harsh-climate computing applications. Comes standard with TPM 2.0, IPMI Remote Management & Monitoring, and NVMe Ports.

PRODUCT DETAILS



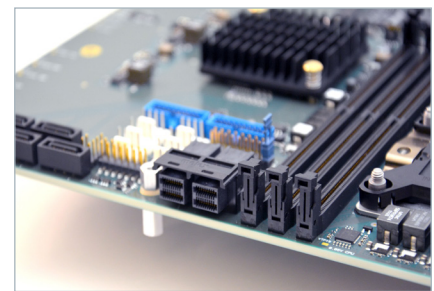
Seven PCIe Gen3 Slots

Allows for versatile system expansion.



Seven 1 GbE Ports

Ideal for IoT & Cloud Applications.



Two NVME U.2 Ports

High-speed next generation storage interface.



www.trentonsystems.com

Visit our website for more info.

Phone: (770) 287-3100

Email: sales@trentonsystems.com

Model Number

SSP8268

Board Type

SSI Motherboard

CPU

Intel® Xeon® Scalable Performance (Cascade Lake-SP/Skylake-SP) Processors., Dual Socket P (LGA3647), CPU TDP up to 125W each

Chipset

Intel® C622

Memory

12x DDR4-2400/2666/2933 ECC Registered DIMM Slots supporting Standard & Load-Reduced Memory
Six Channels up to DDR4-2933 1.5TB standard memory and up to 4.5TB of Optane DC memory (per CPU)

PCIe Slot Configuration

x16 Mechanical Slots

- 3x PCIe Gen3 x16
- 4x PCIe Gen3 x8

On-Board Connectors

2x U.2 Ports supporting x4 Gen3 ports each (SFF-8639)
6x SATA/600
2x 20-pin USB3.0 headers (2 ports each)
6x PWM Fan Headers

Rear I/O

5 USB 3.0
7x Gigabit Ethernet (10/100/1000) - 1 shared with Out of Band Management

- 1x i350 Quad Controller
- 1x i350 Dual Controller
- 1x i210 GbE (shared)

Line Out, Line In, Microphone 3.5mm Mini Audio Jacks/Realtek LALC262 Codec
1x RS232 DB9 Serial Connector
1x VGA 1920x1200@60Hz 32bpp

Trenton Systems BIOS

In-house revision-controlled BIOS with customization/optimization available (contact Trenton Systems for more info)

Trenton Smart System Management

AST2500 Baseband Management Controller consisting of:

- rKVM
- System Monitoring
- Out of Band Management
- TPM 2.0 down on the board (no header like other motherboards!)

Environmentals

Operating Temperature: 0°C - 50°C
Storage Temperature: -40°C - 70°C
Humidity: 5% - 90% Non-Condensing

Dimensions

12.0" (L) x 13.0" (W)
30.48cm (L) x 33.02cm (W)

