

## TRITON 2U-AS

COMPACT 2U, HIGH-DENSITY, INTEL® 5TH GENERATION XEON®, 16" DEEP, ALUMINUM, RACKMOUNT SERVER

### PROCESSOR

- (2) LGA 4677 processor sockets
- Supports up to (2) 5th Gen. Intel® Xeon® Scalable Processors
- Intel® C741 Chipset

### MEMORY

- (16) DIMM Slots (8 per CPU)
- DDR5 ECC memory
- 1.1V modules: up to 5600 MT/s
- Up to 2 TB RAM

### NETWORK

- (2) 10GbE RJ45 LAN
- (2) 1GbE RJ45 LAN
- (1) 1GbE RJ45 management LAN

## PRODUCT DESCRIPTION

The Jensen Beach Technologies Triton 2U-AS Aluminum Server is a compact, modular rugged rackmount platform engineered for deployment in space-constrained and environmentally demanding applications. Built around Intel® 5th Generation Xeon® Scalable processors, the Triton 2U-AS Aluminum system delivers high-density compute performance in a shallow-depth 2U form factor.

Constructed from corrosion-resistant machined aluminum and featuring a system depth of only 16 inches, the Triton 2U-AS Aluminum server is optimized for mobile platforms, tactical systems, shelters, and industrial installations where size, weight, and environmental resilience are critical. Each system is designed and assembled in the USA and can be configured to meet specific program and mission requirements.

## ADDITIONAL SPECIFICATIONS

### PCIe Expansion

- Up to (6) PCIe Gen5 x16 expansion slots depending on configuration
- (1) PCIe Gen5 x16 expansion slot in GPU configuration

### Removable Storage

- (8) U.2 SSDs, up to 15mm SATA 3 or
- NVMe PCIe Gen5 x4

### Video Output

- (1) VGA

### USB

- (1) USB-A 2.0 (Front)
- (1) USB-A 3.2 (Front)
- (2) USB-A 3.2 (Rear)

### Serial Ports

- (1) RJ45

### Internal Storage

- (2) M.2 slots with PCIe Gen4 x4 interface
- Supports 2280 and 22110 sizes

### Power Supplies

- (2) CRPS units

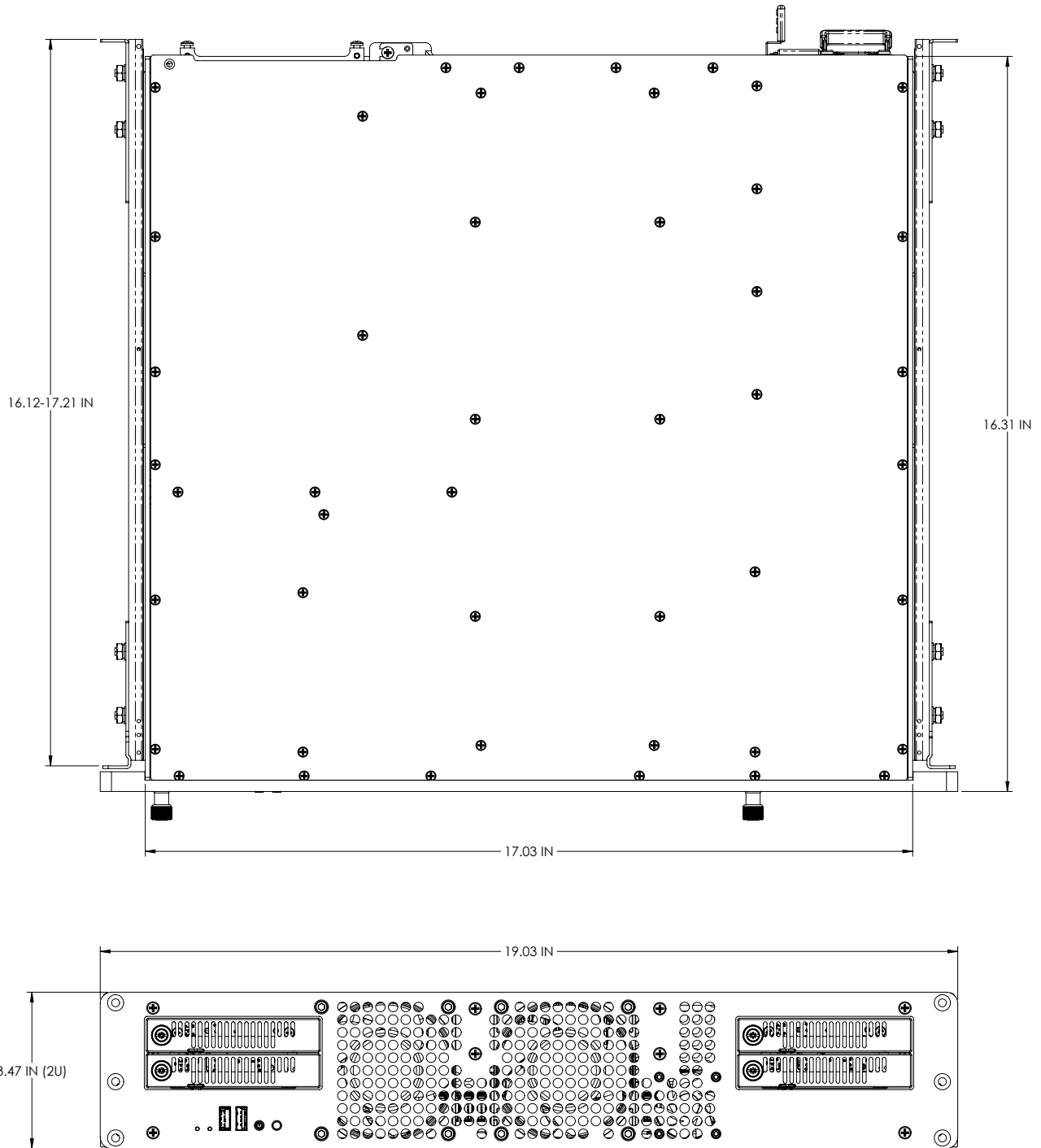
### Security Features

- Optional TPM 2.0

### Verified Compatible OS

- RHEL 6.8
- RHEL 7
- Windows Server 2022
- CentOS 7

## DIMENSIONAL DRAWING



### RUGGEDIZATION LEVEL 1 – INDUSTRIAL

- Operating Temp: 0°C to +55°C
- Storage Temp: -50°C to +100°C
- Vibration: 0.002 g/Hz (10–2000 Hz random), 2 g sinusoidal (5–500 Hz)
- Shock: 20 g peak sawtooth, 11 ms
- Humidity: Up to 95% RH

### RUGGEDIZATION LEVEL 2 – EXTENDED

- Operating Temp: -20°C to +65°C
- Storage Temp: -50°C to +100°C
- Vibration: 0.002 g/Hz (10–2000 Hz random), 2 g sinusoidal (5–500 Hz)
- Shock: 20 g peak sawtooth, 11 ms
- Humidity: Up to 95% RH with varying temperature, 10 cycles, 240 hours

### RUGGEDIZATION LEVEL 3 – RUGGED

- Operating Temp: -40°C to +75°C
- Storage Temp: -50°C to +100°C
- Vibration: 0.04 g/Hz (20–2000 Hz with a flat response to 1000 Hz), 6dB/octave roll-off from 100 to 2000Hz
- Shock: 40 g peak sawtooth, 11 ms
- Humidity: Up to 95% RH with varying temperature, 10 cycles, 240 hours