

SRS-04

2U High Performance Rugged Server



Key Benefits

- ▶ Tough, lightweight aluminium chassis certified to DO-160G shock and vibration standards for use in challenging environments
- ▶ Support for integration of high-end NVIDIA GPUs
- ▶ High performance 3rd Generation Intel® Xeon® Scalable, Intel® Core™ and AMD EPYC™ processor options
- ▶ Rear panel offering a variety of military connectors, fully configurable to customer specification
- ▶ AC or DC power supply options to suit a wide range of deployments
- ▶ Long life, embedded processor options for extended through-life support

Overview

The Captec SRS-04 Rugged Server offers high processing performance in a short depth 19" rackmount form factor. Featuring expansion to enable a range of additional connectivity such as secure fibre interfaces are available up to 100Gb/s, giving high bandwidth for connecting data around the wider system. Enhanced EMI filtering combined with a rugged aluminium chassis provides a low EMI signature, suitable for use in TEMPEST environments. Captec Rugged Servers are designed, built, and formally qualified to meet your exact specification requirements and required military standards, some of which may include MIL-STD-810H, MIL-STD-461G and DO-160G, for use in challenging defense applications.

Specifications

SRS-04	A typical configuration could consist of:	SRS-04	Continued:
CPU	3rd Generation Intel® Xeon® Scalable Silver 4314, 16 Core (2.4/3.4GHz), 24MB Cache	Operating System	Windows / Linux
Chipset	Intel® C621A	Power Consumption	<700W Max
Memory	128GB DDR4, 2667MHz, ECC Reg	Input Voltage	18 ~ 60V DC (depending on configuration)
Storage (External)	No removable storage	Width / Mounting	19" Rackmount
Storage (Internal)	Secure PXE boot, or NVMe (M.2 PCIe 3.0)	Height	2U
Expansions Slots	2 x PCIe 4.0 x16 (Used by 2 x NVIDIA A10 Tensor Core, 24GB GDDR6)	Depth	480mm (from rear of mounting ears, not including rear connectors)
LAN	2 x 100Gb Fibre (MTP-12 / MIL-STD 38999)	Dimensions	88.1 x 482.6 x 480mm (H x W x D)
Service Port	MIL-DTL 38999 containing: 1 x VGA, 1 x IPMI & 2 x USB 2.0	Weight	Approx 12Kg (depending on configuration)
Video	Integrated ASPEED AST2500	Operating Temperature	0 - 50°C
Audio	N/A	Environmental	Tested to: D160G, MIL-STD 810, MIL-STD-461G

