

SRS-02

2U High Performance Rugged Server



Key Benefits

- ▶ Tough, lightweight aluminium chassis designed to meet to MIL-STD-810H and DO-160G shock and vibration standards for use in challenging environments
- ▶ High performance 3rd Generation Intel® Xeon®, Intel® Core™ and AMD EPYC™ processor options
- ▶ Rear panel offering a variety of military connectors, fully configurable to customer specification
- ▶ Extensive removable solid state NVMe storage for high capacity rugged applications
- ▶ 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-02 Rugged Storage Server offers high processing performance in a 19" rackmount form factor. Featuring expansion to enable a range of additional connectivity such as 10Gb/s copper, or 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-02		A typical configuration could consist of:	
CPU		2 x 3rd Generation Intel® Xeon® Silver 4310T Processor, 10 Core (2.3/3.4GHz), 15MB Cache	
Chipset		Intel® C621A	
Memory		Up to 4TB 3DS ECC LRDIMM	
Storage (External)		16 x 2.5" SATA/SAS removable drives (7mm height) via Broadcom MegaRAID	
Storage (Internal)		NVMe (M.2 PCIe 4.0)	
Expansions Slots		2 x PCIe 4.0 x16 (1 x used by MegaRAID)	
LAN		2 x 10Gb Copper (MIL-DTL 38999)	
Service Port		MIL-DTL 38999 containing: 1 x VGA, 1 x IPMI & 2 x USB 2.0	
Video		Integrated ASPEED AST2500	
Audio		N/A	

SRS-02		Continued:	
Operating System		Windows / Linux	
Power Consumption		<700W Max	
Input Voltage		18 ~ 60V DC (depending on configuration) Optional 100-240V AC	
Width / Mounting		19" Rackmount	
Height		2U	
Depth		649mm (from rear of mounting ears, not including rear connectors)	
Dimensions		88.1 x 482.6 x 649 mm (H x W x D)	
Weight		Approx 16Kg (depending on configuration)	
Operating Temperature		-20°C to +55°C	
Environmental		Designed to Meet: MIL-STD-461, MIL-STD-810H, DO-160G, Vibration Tested to JSS55555, Shock 50g, 11ms, 22g, 11ms	

