

# 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

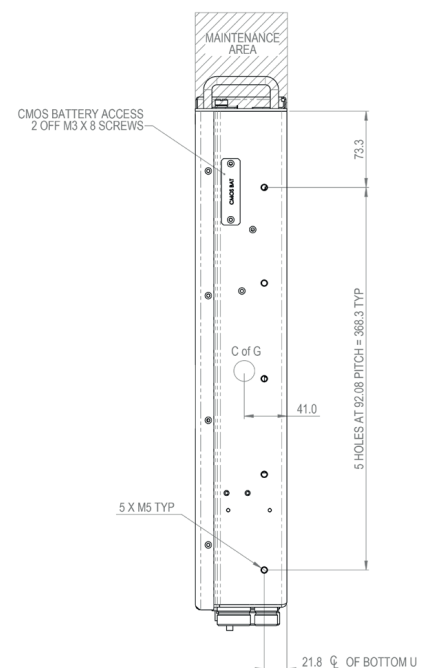
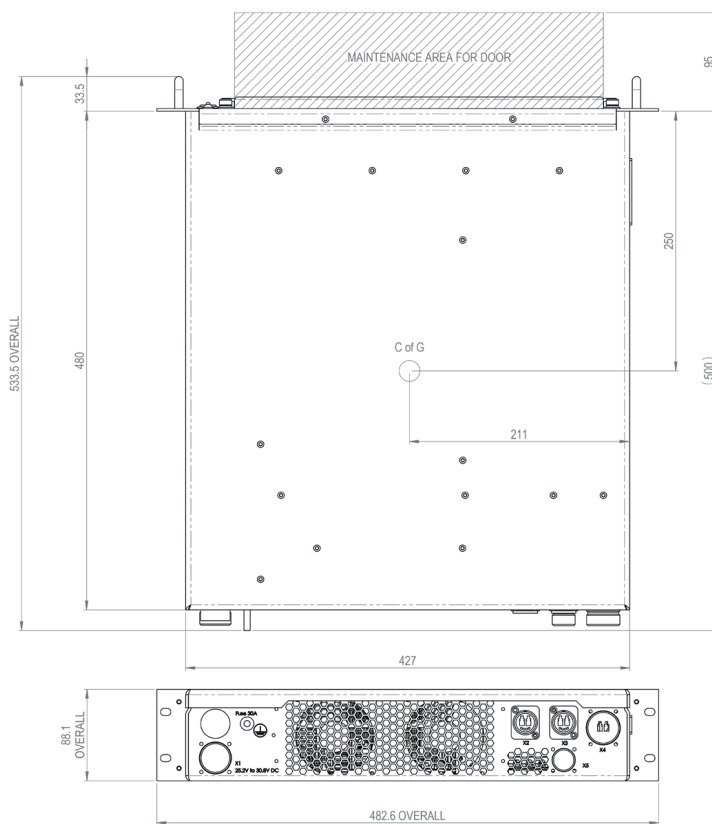


### Overview

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 defence applications.

### Specifications

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



CAPTEC

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