

SRC8868 1-SLOT CMOSS CHASSIS

The **SRC8868 1-Slot CMOSS Chassis** is a rugged, modular platform that provides a low size, weight and power (SWaP) migration path to CMOSS for SDRs and processing payloads.

APPLICATIONS

CMOSS/SOSA-Aligned

- 3U VPX payload, conduction cooled
- Low SWaP, modular platform
- Designed for dismount, vehicle ground based, and airborne platforms
- Rugged chassis designed to meet MIL-STD-810
- Integrated PNT reference functionality, Power Supplies, and Pulse Width Modulation (PWM) controlled fans
- One CMOSS payload profile slot
 - VITA 67.3 hybrid legacy profile support
 - Open VPX Payload Profile 1F1U1S1S1U1U2F1H-14.6.11-1
- CMOSS migration path for Rugged Micro-Transceiver (SRC5986E) customers
 - Uses existing external cables and mounting features

Multi-Mission Capable

- Software-defined radio (SDR) cards supported by payload profile slot can be utilized for electronic warfare (EW), communications, or SIGINT applications
- Integrated GNSS and OCXO for GPSDO capability



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- Integrated DC-DC power conversion to optimize SWaP
- Fiber optic external interface supports VITA 49 RF transport into or out of chassis
- Environment: Designed to meet MIL-STD-810
- Operating temperature: -40 to 50°C
- 4 RF SMAs, 1 GPS Antenna SMA
- 1000BASE-T, 10GBASE-KR, 10GBASE-SR
- TTL, RS-232, RS-422 GPIO, RGB LED driver
- Debug interfaces include USB, UART, JTAG
- Front Panel LEDs for indication/status

SPECIFICATIONS

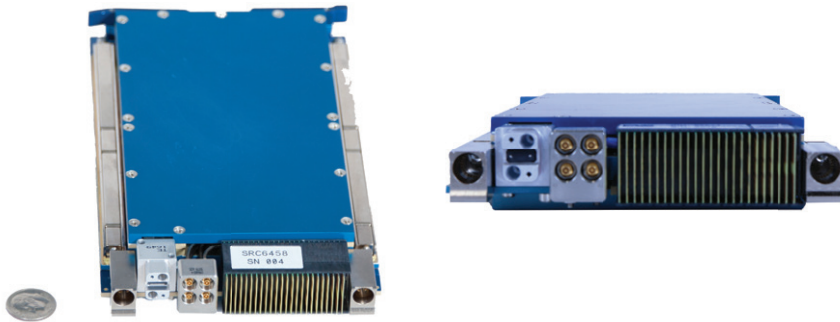
- Size: 5.64in x 2.81in x 12.43in
- Weight: 9.3 lbs
- Input range: 9V to 36V, nominal 12VDC
- Power: Payload dependent; max 75W under full operating temperature

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BELOW: SRC8868 1-Slot CMOSS Chassis.



BELOW: Chassis supports Legacy CMOSS profiles such as the SRC6458A CMOSS SDR Payload



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