

## » FS-5955 «



### **FS-5955 10-slot 1-Short ATR Conduction Cooled Chassis**

- » 1-short ATR chassis suitable for MIL-STD-5400 Class 1 environments
- » Provides 10-slots for conduction cooled circuit cards per IEEE 1101.2, 0.8" pitch
- » Mounts on 1-short ATR shock tray conforming to ARINC 404A™
- » Superior cooling characteristics, up to 1000 watts depending upon fan configuration and ambient conditions

The Kontron FS-5955 is a 1-short ATR forced-air conduction cooled chassis designed for use in military applications. Specifically, the FS-5955 chassis meets the environmental requirements of MIL-E-5400 for Class 1 equipment designed to withstand extremes of temperature, vibration, shock, salt spray, sand and chemical exposure while maintaining a sealed environment.

**Mounting & Cooling**

The FS-5955 chassis has 1-short ATR outline and mounting dimensions. It can be hard-mounted, or mounted on a shock isolated tray with attachments conforming to ARINC 404A™.

The FS-5955 chassis provides a secure enclosure for conduction cooled circuit cards. The heat from the chassis internal system components is conducted, using wedge locks, to the cold walls, where it is dissipated to the ambient environment by forced-air cooling. The FS-5955 chassis is available with an integral AC or DC fan, or with an air-plenum to use with an external forced air supply.

**REAR VIEW**



**Technical Information**

**Physical Dimensions**

Height	10.48"
Depth	12.60" (mounting depth)
Width	10.12" (mounting width)
Weight	30.6 lbs (typical—includes enclosure, backplane, power supply, and fan assembly)

**Environmental**

Storage Temperature	-57°C to +85°C
Operating Temperature	meets MIL-STD-5400 Class 1 thermal performance for 150W power dissipation with 35CFM
Vibration	» MIL-STD-810E » Random 0.1g2/Hz, 15-2000 HZ
Shock	» MIL-STD-810E » 20 g, 11 ms, half sine wave

EMC	CE101,CE103, CS102, CS106, RE102, RS101, RS102, RS103 MIL-STD-461E
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Enclosure	MIL-STD-108E
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**550 Watt DC Power Supply**

- » Input Power—28 VDC MIL-STD-704 A to F
- » +5V 40A (max)
- » +12V 7.1A (max)
- » -12V 7.1A (max)
- » 3.3V Optional 55A (max)

**280 Watt AC Power Supply**

- » Input Power—115 VAC, 60 to 400 Hz
- » MIL-STD-704 A to F
- » +5V 33A (max)
- » +12V 6A (max)
- » -12V 0.5A (max)
- » 3.3V Optional 12A (max)

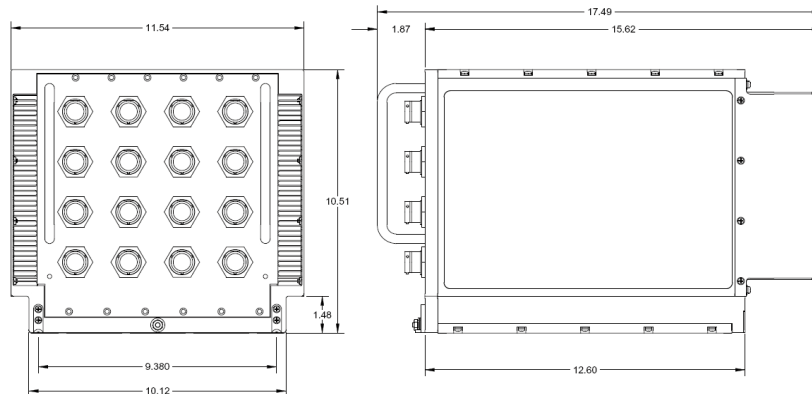
**Custom Options**

- » Custom front I/O panel
- » Paint & silk screening to customer spec
- » Internal I/O cabling
- » Multiple backplanes
- » Custom backplanes

**Front I/O Panel Options**

- » Front panel with connectors for I/O, power, MIL-STD-1553B test and video
- » Elapsed time and fault indicators

**DIMENSIONS**



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