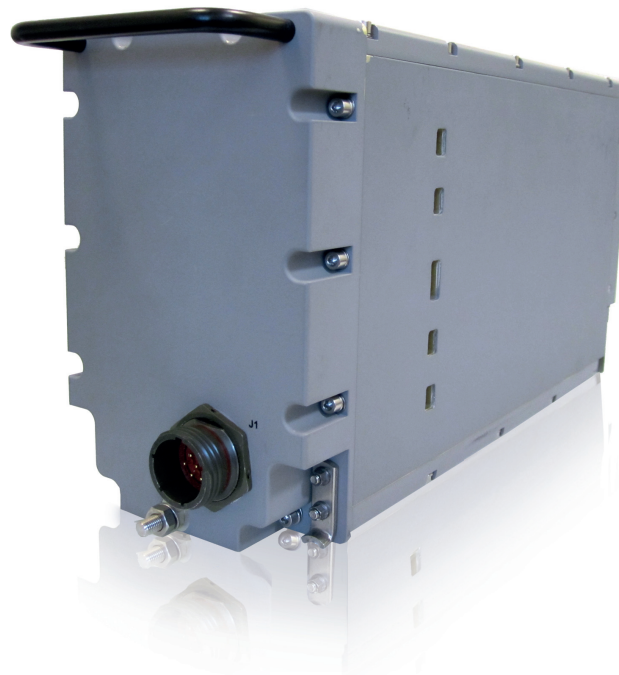


» FS-5975 «



FS-5975 1/2 Short ATR 5-slot Conduction Cooled Chassis

- » Superior cooling characteristics
- » Mounts on 1/2 -short ATR shock tray conforming to ARINC 404A™
- » Removable I/O panel top & bottom covers provide easy access for maintenance
- » 1/2 -short ATR chassis suitable for MIL-STD-5400 Class 1 environments

FS-5975

1/2 Short ATR 5-slot Conduction Cooled Chassis

The Kontron FS-5975 is a 1/2-short ATR forced-air conduction cooled chassis designed for use in rugged applications. Specifically, the FS-5975 chassis meets the environmental requirements of MIL-E-5400 for Class 1 equipment and will withstand extremes of temperature, vibration, shock, salt spray, sand and chemical exposure while maintaining a sealed environment.

Mounting & Cooling

The FS-5975 chassis has 1/2-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-5975 chassis provides a secure enclosure for conduction cooled circuit cards. The heat from the chassis internal system components is conducted to the internal heat exchangers, where it is dissipated to the ambient environment by forced-air cooling duct through the chassis walls. The FS-5975 chassis is available with an integral fan, or with an air-plenum to use with an external forced air supply.

Technical Information

Physical Dimensions

Height	7.735"
Depth	13.750"
Width	4.880"
Weight	18lbs (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 0.1g ² /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
Enclosure	MIL-STD-108E

Input Voltage

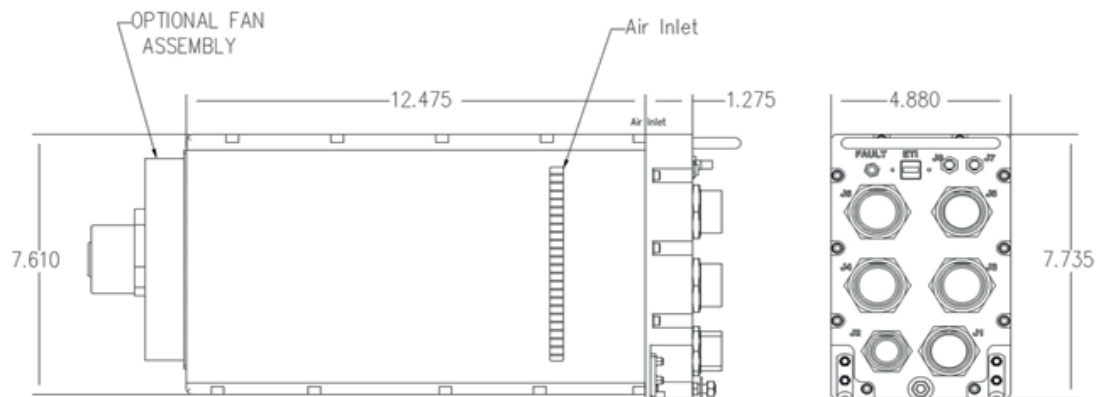
- » 22 to 29 VDC
- » MIL-STD-1275A, MIL-STD-704 A to F

DC Output

- » +5V 30A (max)
- » +12V 1A (max)
- » -12V 0.5A (max)
- » 3.3V Optional 10A (max)

Note

Power supply hold-up time is dependent on input power range and board power consumption.



CORPORATE OFFICES

Europe, Middle East & Africa

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany

Tel.: +49 (0) 821 4086-0
Fax: +49 (0) 821 4086 111
sales@kontron.com

North America

14118 Stowe Drive
Poway, CA 92064-7147
USA

Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

Asia Pacific

17 Building, Block #1, ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China

Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn