

AP Labs FS-8718

## Rugged 18 Slot 8U VME Rugged Chassis



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# » FS-8718 «



## **FS-8718 Rugged Chassis 18-slot 8U VME (with Dog House Option)**

- » 8U VME card cages with up to 18 slots, monolithic backplane
- » 800 Watts PFC power supply standard; other values can be specified
- » Cooling can be custom configured: front to rear, or side to rear
- » Tested to meet shock & vibration requirements of MIL-STD-810E, method 514.4 (categories 1,4,5,6,8) MIL-STD-910D & MIL-STD-167/1

# FS-8718 Rugged Chassis

## 18-slot 8U VME (with Dog House Option)

The Kontron FS-8718 with dog house option is a ruggedized 18-slot, 8U VME enclosure.

The FS-8718 was designed with dog house option to meet MIL-STD-810E, MIL-STD-901D, and MIL-STD-167/1 shock and vibration specifications for severe environments, as well as MIL-STD-461C for EMI specifications.

A hinged front door provides front loading access to the VME PCBs. An optional security interlock can be provided on the front door and all other panels are then non-removable without first opening the front panel. The rear I/O panel can be custom configured for the intended application.

Cooling is front to rear as standard, and can be optionally configured for front to side or side to side. Thermal monitoring and control are available as an option. The enclosure comes in a rack-mount or desktop configuration and can be provided without internal shock mounts and EMI hardware.

### REAR VIEW



Typical rear view with optional connectors

### Technical Information

#### Physical Dimensions

Height	14"
Depth	20"
Width	19"
Weight	60lbs. (typical)

#### Mechanical

.090" Seam Welded Aluminum Alloy  
Chem-filmed per MIL-C-5541, Class 3  
All fastener hardware is stainless steel  
Hinged front door with access to VME PCBs  
Blank Rear I/O panel: 8.50" x 15.75"

#### Electrical

AC input: 115 or 220 VAC, 47-440 Hz  
AC draw: 12 Amp maximum  
MIL circular power connector  
+5, +12, -12V outputs on DC power supply  
MIL-STD-461 E  
AC input EMI filter  
PVC wiring standard, Teflon or other by custom option

#### Shock & Vibration

MIL-STD-810E  
MIL-STD-901D Lightweight hammer  
MIL-STD-167/1

#### VMEbus Backplane

12-slots total, monolithic J1/J2 (J0 optional)  
6U x 160mm

#### Front Panel

SYSRESET, SYSFAIL, +5V, +12V, -12V LEDs  
Reset Switch  
Power Switch/Circuit Breaker  
Custom panel layout

#### Standard Options

S: Rack-mount Slides  
RE: Remove EMI/RFI  
RS: Remove shock/vibration isolation  
TM: Thermal monitoring  
X: VME 64X backplane  
XO: VME 64X backplane with J0

#### Custom Options

Bull Nose  
Paint & silk screening to customer spec  
Internal I/O cabling  
Multiple backplanes  
Power supply ratings  
Connectorization of I/O panels  
Cooling configuration  
Security interlock  
DC Power Supply

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