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V198

4-Slot, C-Size, VXIbus Mainframe

The VI98 is a small and low cost VXIbus mainframe. The small size and light weight of the V198 make it the ideal mainframe for portable applications.

The VI98 offers mainframe monitoring of temperature and voltages, quiet and efficient cooling, and 175 watts of usable power.



A full-size VXI mainframe with 175W Power Supply

TYPICAL APPLICATIONS

Data acquisition and control systems

Automatic test equipment (ATE)

Applications requiring a VXI mainframe

Portable applications

FEATURES

- A Price/Performance Breakthrough for VXI Mainframes
- Modular Power Supply Assembly
- 175 Watts of Useable Power
- Highly Efficient, Quiet Cooling System
- Monitoring included
- Light Weight

GENERAL DESCRIPTION

The VI98 is a small and low cost VXIbus mainframe. The small size and light weight of the V198 make it the ideal mainframe for portable applications. The V198 offers mainframe monitoring of temperature and voltages, quiet and efficient cooling, and 175 watts of usable power.

Front panel monitoring reflects up to the moment status of power supply and cooling fan integrity. A temperature monitor is also located on the front panel to indicate over-temperature. A two-speed fan provides quiet and efficient cooling. A two-position fan speed control mounted on the front of the unit changes from Full Speed mode to Variable Speed mode. The Variable Speed mode allows the control of fan speed as a function of the mainframe temperature.

The VI98 backplane features solid state jumperless construction to eliminate the need to manually configure VMEbus grant and interrupt acknowledge signals. The surface mount backplane technology improves both reliability and stripline signal performance.

Access to the power supply and the cooling fan can be made conveniently through the rear panel of the mainframe. A replacement power supply or fan can be installed without removing the unit from the rack. The modular plug-in design reduces the time it takes to perform field maintenance.

Item	Specification	
DC Supply Voltages	**Peak Current (Imp)**	**Dynamic Current (Imd)**
+5V	17 A	2.5 A
+12 V	2.7 A	1.0 A
-12 V	2 A	0.8 A
+24 V	2 A	1.0A
-24 V	2 A	1.0A
-5.2 V	2 A	1.0A
-2V		
Total Useable Power	175 W	
Input Voltage	90 VAC - 250 VAC (47 Hz - 400 Hz) with corrected power factor	
Power Supplies	All voltages protected from over temperature, over-voltage and short to ground	
Cooling	Two speed cooling fan	
Dimensions	**Without Bumpers**	**With Bumpers**
Height (horizontal orientation)	5.25” (133 mm)	6.0” (152 mm)
Width	14.3” (362 mm)	15.3”(388 mm)
Depth	21.3” (540mm)	21.6”(548 mm)
Weight	19 lbs. (8.6 kg) without bumpers: 20 lbs (9.1 kg) with bumpers	
MTTR (power supplies or fans)	<30 minutes (w/mainframe and modules installed in rack)	
Environment		
Operating temperature	0 °C to 40 °C	
Storage temperature	-40 °C to 70 °C	
Humidity	20% to 90% RH (non-condensing)	

VI98 OPTIONS

Model V198-K101 Model V198-K102

Rack Mount Kit Rack Mount Slides

ORDERING INFORMATION

MODEL	DESCRIPTION
V198-AA11	4-Slot, AC-powered, C-Size, VXIbus Mainframe
V198-0001	Rackmount Kit w/Slides for V198 VXI Mainframe

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