

The V198 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.

TYPICAL APPLICATIONS

Data acquisition and control systems

Automatic test equipment (ATE)

Applications requiring a VXI mainframe

Portable applications

V198

4-Slot, C-Size, VXIbus Mainframe



A full-size VXI mainframe with 175W Power Supply

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 | 2 A | 1.0A |
| 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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