

### Portable Instrumentation Platform

MegaPAC is the first portable computer platform designed with the utility and the massive expandability needed for demanding test, instrumentation and communications applications. With 10 expansion slots and 350 watts of power, the self-contained MegaPAC offers add-in capability previously found only in bulky rack-mount or transportable systems.

### Completely Self-Contained

MegaPAC has been designed from the ground up with the mobile technical professional in mind. It's a complete, self-contained system with a 10.4" color display, fold-down/removable keyboard and a carry handle/tilt stand. Thoughtful attention to detail is shown by MegaPAC's rear floor-standing feet, that also double as a cable wrap to stow the 9' industrial grade power cord.

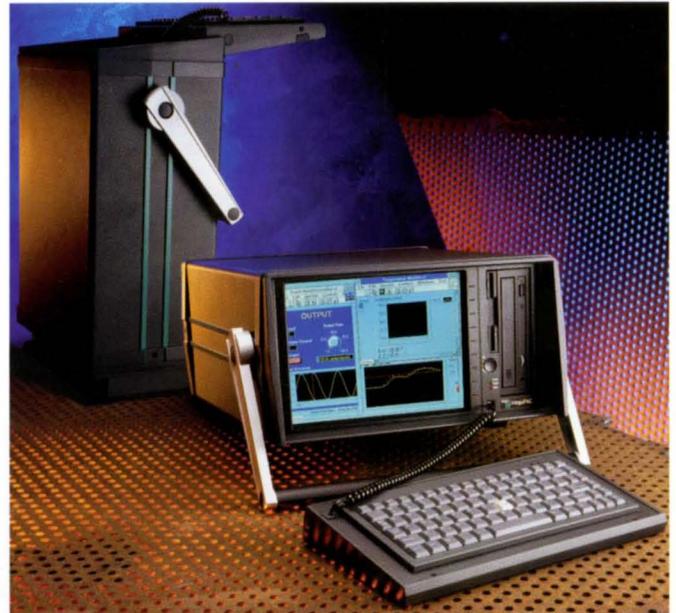
### Massive 10 Slot Add-In Expansion

Up to six ISA, three PCI and one shared full-size ISA/PCI expansion slots are available. MegaPAC's passive backplane can even accept cards with "skirts" – the projections on add-in cards that interfere with conventional mother board components when add-in cards are plugged in.

### Thermostatic Positive Pressure Cooling

MegaPAC's cooling system employs a temperature sensing and alarm module that controls the speed of its three high capacity fans to maintain proper internal temperature. Cooling air is drawn through a two stage metal wool filter, directed across the add-in cards, and expelled at the rear of the unit. An auxiliary fan assures proper airflow through the power supply. This system allows MegaPAC to operate at up to 50° C, with an alarm and auto-shutdown should the temperature exceed the limit. In addition, when the temperature is moderate, a "quiet" mode slows the fans, reducing unnecessary sound.

- **Massive Add-in Expansion**
- **6 ISA Slots, 3 PCI Slots, 1 ISA/PCI Slot**
- **Up to 350 Watts of System Power**
- **110/220 VAC or 12/24 VDC Power Input**
- **Thermostatically Controlled Cooling System**
- **Pentium™ CPUs to 180 MHz & 128 MB Ram**
- **Up to 9 GB HDD Plus FDD and CD-ROM**



*Dolch MegaPAC Rugged Multi-slot Portable PC*

### Crash-Cart Ruggedness

MegaPAC's design incorporates a unique dual-chassis structure that "floats" the inner case from the external chassis using an eight-point IsoGuard™ shock isolating matrix. This technique allows harmful shock and vibration energy to be absorbed before it can effect the system's internal components or add-in boards. Overtravel snubbers are mounted between the two chassis in case of transit drops or severe impact.

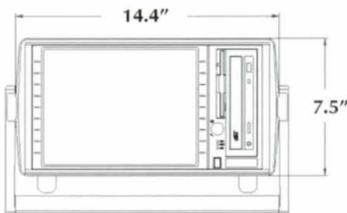
Add-in boards are restrained by Dolch's patented card retention system. It offers individually positionable hold-downs that retain add-in cards regardless of height or length.

### Potent Processing Power and Brilliant Displays

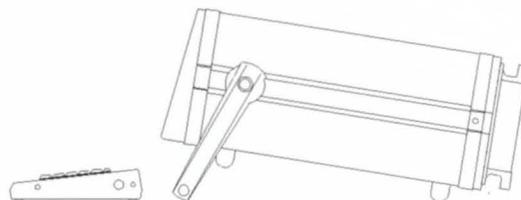
MegaPAC incorporates the latest in Pentium™ processor technology with CPU speeds up to 180 MHz and memory configurations to 128 MB. Hard drives to 9 GB can be specified along with a multi-speed CD-ROM or any other half-height peripheral. Two brilliant 10.4" TFT displays are offered with either VGA or SVGA resolution, and with Dolch's proprietary VIPER flat panel controllers, can display up to 16.7 million colors. Both displays are equipped with black matrix anti-glare technology and deliver 100 to 1 contrast ratios.

## TECHNICAL SPECIFICATIONS

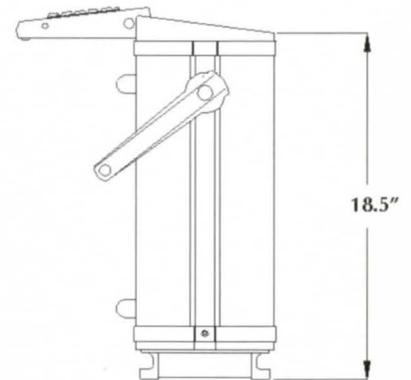
<p><b>PROCESSORS &amp; MEMORY</b> CPU Pentium, Single Board CPU</p> <p>DRAM 8 MB Standard, 16, 32, 64 and 128 MB Optional</p> <p><b>HARD DISK DRIVE</b> 3.5" 1.2 GB Standard, 9.0 GB Optional</p> <p><b>FLOPPY DRIVE</b> 3.5-inch, 1.44 MB Slimline</p> <p><b>OPTIONAL DRIVES</b> Quad Speed CD-ROM/Tape Backup</p> <p><b>PCMCIA SLOTS (Optional)</b> Two Type II/One Type III</p> <p><b>DISPLAY SYSTEMS</b> Display Types 10.4" A/M Color TFT, VGA 640 x 480 10.4" A/M Color TFT, SVGA 800 x 600</p> <p>Video Controller 32 Bit PCI Video Controller with C&amp;T 65545 Chipset and 1 MB of Video Memory</p> <p>External Display Support External Resolutions Supported - 640 x 480, 800 x 600, and 1024 x 768</p> <p><b>GENERAL</b> Software Compatibility MS-DOS™, Windows™ (All Versions), Windows NT, OS/2, and SCO UNIX</p> <p>Serial Interface Two RS-232 Ports</p> <p>Parallel Ports Bi-directional, Enhanced Parallel Port</p>	<p>Keyboard &amp; Pointing Device Standard Keyboard AT Compatible, 84 key, Notebook Style with Integral Pointing Device Optional Sealed Keyboard AT Compatible, 86-key Integral Waterproof Pointing Device</p> <p><b>ELECTRICAL</b> System Input Input Voltage 90-138/180-265 VAC 47 to 63 Hz</p> <p>Power Consumption 200 Watt Supply, 250 Watts Max 350 Watt Supply, 400 Watts Max</p> <p><b>MECHANICAL</b> Dimensions Height 7.5" 19.2 cm Depth 16.5" 42.0 cm Width 14.4" 36.6 cm</p> <p>Construction Aluminum Alloy Front/Rear Bezels, Chassis &amp; Covers</p> <p>Weight Standard System w/o CD-ROM/Tape 25 Lb 11.4 Kg</p> <p><b>EXPANSION</b> Add-in cards 10 Full-size ISA/PCI 6 ISA, 3 PCI, 1 ISA/PCI</p> <p><b>ENVIRONMENTAL</b> Enclosure Class DIN 40050, NEMA Rating IP52, NEMA 5</p>	<p>Temperature Operating 0° to 50° C, 32° to 122° F Non-Operating -40° to 70° C, -40° to 158° F</p> <p>Dust Resistance NEMA 5</p> <p>Humidity Operating 5% to 95% (Non-condensing)</p> <p>Shock IEC 68-2-27 MIL-STD-810E Operating 15G 11s 1/2 Sine Non-Operating 30G 11ms 1/2 Sine Transit Drop 48", 26 Drops in Case Bench Handling 4", 4 Unprotected Drops</p> <p>Vibration IEC 68-2-6 MIL-STD-810E Operating 10-55 Hz, 0.2 mm 55-500 Hz, 1.2G Non-Operating 10-55 Hz, 0.3mm 55-500 Hz, 2.0G</p> <p>Altitude Operating High Altitude 15,000 Ft, 4615 Meters Low Altitude -1000 Ft, -308 Meters Non-Operating High Altitude 40,000 Ft, 12308 Meters Low Altitude -1500 Ft, -462 Meters</p> <p><b>ELECTROMAGNETIC COMPATIBILITY</b> Radiation FCC Part15, Subpart B, Class B</p> <p><b>SAFETY</b> Approvals CE Mark, UL, CSA, TUV IEC 950 Requirements</p> <p>MTBF 5,000 Hr Calculated</p> <p>MTTR 30 Minutes</p>
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Front



Right Side



Standing Operation

**Corporate Headquarters**

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