Overview
The FieldPAC™ raises the standard of size-efficiency and ruggedness for expandable computers used in field and portable applications. Encased in a deep-drawn, corrosion-proof aluminum enclosure, FieldPAC withstands the daily rigors of transport, setup and operation in demanding conditions.

FieldPAC incorporates key features derived from Dolch’s decade of experience developing expandable portable industrial computers. Integrated into the ultra-rugged case is an upgradeable Pentium® MMX computer module mated to a huge 14.1" XGA TFT display. This combination provides desktop performance with survivability in field environments.

For add-in application expansion, a user definable full-size ISA or PCI expansion slot is provided, along with two standard PCMCIA/CardBus slots. With substantial compute power, a brilliant display and flexible expansion, the FieldPAC is the platform of choice for network/communications testing, field data acquisition, in-vehicle monitoring and as a technology demonstrator.

Ultra-Rugged Caseworks
FieldPAC’s ultra-thin attaché enclosure is formed from two matched case halves, deep-drawn from anti-corrosion-coated 6061 aluminum alloy. The top and bottom halves are aligned by matched, bonded structural extrusions, one with an o-ring seal mated to the other at a compression flange. FieldPAC’s internal elements are completely sealed from external environments with the case closed.

- Rugged All-Metal Attaché Enclosure
- Ultra-Thin 3-Inch Thick Form Factor
- Huge 14.1" XGA Active Matrix Display
- Full-Size ISA or PCI Expansion Slot
- Two PCMCIA/CardBus Expansion Slots
- Integral CD-ROM, Sound Chip and Speakers

Impact-Protected Hard Disk Drive
To further improve survivability in hostile environments, FieldPAC’s HDD is encased in a Sorbathane™ cocoon that absorbs shock and vibration caused by impact, drop and transport. Other key system elements are interlocked together with the internal structure to provide tortional rigidity, strength and impact protection.

Add-In Expansion
FieldPAC offers two types of add-in expansion, ISA/PCI boards and PCMCIA/CardBus PC cards.

FieldPAC’s ISA/PCI expansion-bay allows the installation of one full-length, full-height add-in board without disassembling the unit. The expansion bay cover (underneath the detachable keyboard) removes easily for rapid field installation of either an ISA or PCI function board. The add-in board can
be of the maximum size as defined by the AT specification, (4.8" x 13.345" x .8") and can even have a "skirt" along its lower half without causing a fit problem. An integral card retention bracket adjusts in two axes to allow precise positioning for retention of all sizes and shapes of add-in boards.

Complementing FieldPAC’s expandability are two type II/one type III PC/CardBus slots. These slots are protected when the cover is closed.

**Massive XGA Display Screen**

FieldPAC is designed to support extremely large viewing areas for multi-window applications. With a display area as large as a 15" CRT monitor, the 14.1" XGA active matrix TFT screen provides more display area than any other portable computer. This display is driven by a PCI-interfaced Chips and Technologies 65550 flat-panel video controller backed by 2 MB VRAM. Connection to the screen is via a high-bandwidth low-radiation PanelLink™ differential interface.

**Globe Hopping Versatility**

Usable anywhere in the world, FieldPAC accepts power from any 90 to 265 VAC 50-60 Hz source, or from a 12 VDC cigarette lighter outlet (using the included adapter). The system draws a minimal 40 watts power and supports Windows 95 Power Management.

**Full-Size Keyboard and Pointer**

FieldPAC’s generous full-size 104/105 key keyboard is removable and has a two-foot coiled cord that stows in a dedicated cable well. The keyboard’s integrated VersaPad™ pointing device responds to finger or stylus input and can be operated with a gloved hand without performance degradation. US and international keyboards are available.

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**SPECIFICATIONS**

| CPU TYPE | Pentium MMX 166,200 & 233 MHz. |
| DRAM | 32 MB Std. 64 MB and 128 MB Opt. |
| EXTERNAL 12 CACHE | 512 KB |
| HARD DISK DRIVE | 2.5" 2 GB Std. – 4 GB Opt. |
| FLOPPY DRIVE | 3.5-inch, 1.44 MB |
| CD-ROM DRIVE | Multi-Speed (24X Min.) CD-ROM |
| PCMCIA/CardBus SLOTS | Two Type II/One Type III |
| DISPLAY SYSTEM | 14.1" Active Matrix Color TFT – 1024 x 768 |
| EXTERNAL DISPLAY SUPPORT | 640 x 480, 800 x 600, and 1024 x 768 Simultaneous External Display at 1024 x 768 |
| INTERFACES | Two RS-232 Ports – 16550 UARTs Bi-directional, Enhanced Parallel Port |
| KEYBOARD | AT Compatible, 104/105-Key Sealed VersaPad Pointing Device |
| SYSTEM INPUT POWER | 90 - 265 VAC, 47 to 63 Hz |
| EXPANSION | One Open Slot – Full-Length, Full-Height User Definable ISA or PCI PCMCIA/CardBus – Two Type II/One Type III |

**APPROVALS**

- Safety
- UL, TÜV
- Emissions
- CE Mark, FCC Class A

**OPERATING TEMPERATURE**

- 0° to 50° C

**WEIGHT**

- Basic System 15 lb. 6.8 kg.

**DIMENSIONS**

- Height 3.0" 7.62 cm. (Display Closed)
- Height 16.0" 40.60 cm. (Display Open)
- Depth 13.0" 33.00 cm.
- Width 18.00 45.70 cm.

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