

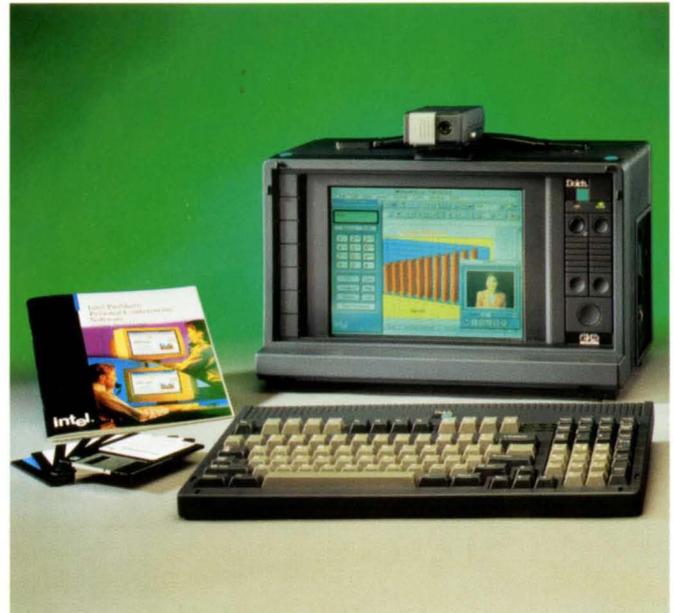
Business Communications

The Dolch PAC is an ideal portable platform for a myriad of new desktop business communication applications. Industry leading performance, and an abundance of open slots and system resources offer an uncompromising environment for portable video teleconferencing, video editing, and multimedia presentations. Graphics intensive applications are well served with a choice of dazzling active matrix TFT displays — VGA, SVGA and XGA.

Active Matrix TFTs

For application specific color performance, Dolch offers 10.4 and 12.1-inch active matrix color panels in resolutions of 640x480, 800x600, and 1024x768. This dazzling lineup provides CRT quality displays of up to 16.7 million simultaneous colors, 100 to 1 contrast ratios, and viewing angles of 90 degrees. Of particular interest to serious communications professionals is Dolch's new VidLink™ flat-panel video interface. For the first time ever, VidLink provides the capability of flat-panel control via standard, off-the-shelf add-in boards — opening up a whole new level of performance for portable computer displays. To support these new video applications, the PACs' performance ratings have been increased by 20 to 40 times over ordinary portables, and applications can now be easily moved from the desktop to a mobile platform without having to deal with changes in driver hardware and software. Even more, the wealth of MPEG and JPEG video compression and playback hardware built up for high-end CRT applications can be easily and quickly integrated for mobile usage.

- Highest Performance Video on a Portable
- Active Matrix TFTs — VGA, SVGA and XGA
- Supports All Industry MPEG and JPEG
- Optional Room Filling Stereo Sound System
- Pentium™ or Dual Pentium to 200 MHz
- 5 Open Slots — ISA, EISA and PCI Local Bus
- Optional PCMCIA Support
- Rugged Industrial Design



Dolch PAC — Desktop Performance in a Rugged Portable

Portable Computing Power

The high-performance of a Dolch PAC only begins with a Pentium processor running at up to 200 MHz. Add-on 64-bit PCI Local Bus, an enhanced parallel port, on-board EIDE drive support and on-board 16550 UARTs for high speed serial communications, and you have the world's most powerful portables — bar none.

Mil Ruggedness

In the PAC, all internal components are mounted in a custom designed monocoque alloy chassis that is, in turn, shock mounted inside an impact-resistant molded outer shell. All shock and vibration impinging on the outer surface is dampened before it ever reaches any of the critical system components. Designed for abusive treatment, Dolch's PAC series has even passed testing to military transportation specifications.

Stress	Operational	Non-Operational
Thermal High @ 24.0 h	50° C (122° F)	60° C (140° F)
Thermal Low @ 24.0 h	5° C (41° F)	0° C (32° F)
Humidity (non-condensing)	85%	98%
Shock 1/2 Sine @ 11 ms	10 G	60 G
Vibration	1.66 Gpp @ 5 – 300 Hz	2.5 Gpp @ 5 – 300 Hz
Low Altitude	-200 m (-650 ft)	-200 m (-650 ft)
High Altitude	3 km (10000 ft)	12 km (40000 ft)

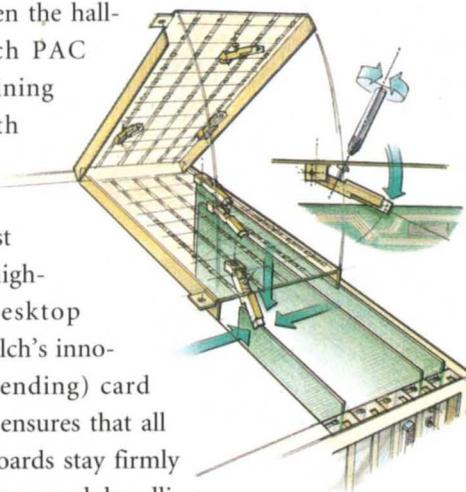
Audio-PAC™

Presentation professionals require more than a lot of slots and CPU performance. Modern presentations are sure to include an enchanting mix of movement and sound. Audio-PAC with its complete built-in wide-range high-fidelity stereo sound system ensures that professional presenters have easily transportable, room filling sound where ever the presentation may take them.



Massive Expansion

For over nine years, expansion capability has been the hallmark of a Dolch PAC portable. Combining ISA or EISA with PCI Local Bus slots makes the PAC an ideal host for a variety of high-performance desktop add-ins. And, Dolch's innovative (patent pending) card retention system ensures that all of the plug-in boards stay firmly in place even during rough handling.



	PAC and APAC MODELS			
	486-66E	486-100C	586-XXXC	586-XXXE 586-DPXXXE
Microprocessor	DX/2	DX/4	Pentium	
Speed	66 MHz	100 MHz	Up to 200 MHz	
Cache RAM	8 KB/256 KB		16 KB/512 KB	
Bus Architecture	EISA/VL	ISA/VL	ISA/PCI	EISA/PCI
Standard RAM	8 MB			
Maximum RAM	64 MB			
Standard HDD	1 GB EIDE			1 GB SCSI
Maximum HDD	2 GB EIDE/9 GB SCSI			9 GB SCSI
Standard Floppy Drive	1.44 MB, 3.5"			
Keyboard	101 (US) / 102 (Intl)			
Expansion Slots ISA ¹		5	3 or 5 ^{2,3}	
EISA ¹	4			4 ²
PCI			2 or 3 ^{2,3}	3 ²
VidLink™ Optional	Yes			
PCMCIA Optional	Type II or 1 Type III			
CD-ROM Available	Yes			
I/O Ports	Serial (16550 UART), 1 Parallel (EPP)			
Standard Power Supply	250 W, 90/240 VAC, 50/400 Hz			
Opt. DC Power Supply	150 W, 90/240 VAC 50/60 Hz or 10/32 VDC			
Optional Audio System	20 W Internal Stereo Sound System			
Dimensions (WxHxD)	15.7 x 9.3 x 8.25 in. (39.9 x 23.6 x 20.9 cm)			
Weight	20 lbs (9.07 kg)			

FLAT-PANELS			
Active Matrix Color TFT (C)			
Type	VGA	SVGA	XGA
Resolution	600x480	800x600	1024x768
Size	10.4-inch	12.1-inch ⁴	12.1-inch ⁴
Response Time	40 ms		
Contrast Ration	100:1		
Viewing Angle	90°		
Ext. Resolutions	640x480 800x600 1024x768		

- NOTES: ¹ The Video Board uses one of the open ISA/EISA or PCI slots.
² One PCI and one ISA/EISA slot are shared.
³ Consult factory for available slot configurations.
⁴ 10.4-inch maximum on APAC

**Why wait! Call Dolch
 Computer Systems today.
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