

# P-OPEN

## *Industrial Open-Frame TFT LCD Touch Panel PC*



### **Overview:**

The P-OPEN is available with P3 and P4 platforms and comes standard with 12.1", 15" and 17" TFT LCD and with an option of touch screen. It features onboard graphics, audio, 10/100 Base-T Ethernet and memory up to 512MB SDRAM (P3) and 2GB DDR (P4) capacity that make the P-OPEN powerful for latest software and various applications. The P-OPEN also has the space for built-in HDD (3.5"), FDD (slim), CD-/DVD-ROM Drive (slim) and two expansion slots for flexibility. It is compliant with IP65, an open-frame construction with 3 different designs of front bezel, Small, Big, and Aluminum that give installation and integration flexibility for applications of KIOSK, POI, and automation.

P-OPEN



**ACME PORTABLE MACHINES, INC.**



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### Specifications:

System Platform	Pentium III	Pentium 4
LCD Size	12.1", 15", 17" TFT LCD	
LCD Resolution	12.1": 800 x 600, 15": 1024 x 768 17": 1280 x 1024	
LCD Brightness	12.1": 100 nits (Standard), 15": 250 nits (Standard) 17": 250 nits (Standard)	
Touch Screen	5-wire Resistive, Surface Acoustic Wave Touch	
Chipset	SIS630ST	SIS 651+SIS962
CPU	Socket 370 processors Pentium® III (Tualatin) up to 1.5GHz Pentium® III up to 1GHz Celeron™ up to 1.5GHz	Socket 478 processors Pentium® 4 up to 3.06GHz
Front Side Bus	66/100/133MHz	400/533MHz
Memory	32MB - 512MB (1 x 168-pin SDRAM)	128MB - 2GB (2 x 184-pin DDR)
Display	Integrated VGA/LCD Controller, 2D/3D GUI engine, 4X AGP, Video Memory up to 64MB (sharing system memory) LCD resolution: 640x480, 800x600, 1024x768	Integrated VGA/LCD Controller, 2D/3D GUI engine, 4X AGP, Video Memory up to 64MB (sharing system memory) LCD resolution: 640x480, 800x600, 1024x768, 1280x1024, 1600x1200
Dual Display	<ul style="list-style-type: none"> <li>• Direct drive max. 24 bits TTL/CMOS/TFT LCD</li> <li>• With scaling board 48 bits TTL/CMOS/TFT LCD (*)</li> <li>• With LVDS board for LVDS LCD (*)</li> <li>• With SiS301 board for TV function (S-Video or RCA) (*)</li> </ul>	<ul style="list-style-type: none"> <li>• Direct drive max. 24 bits TTL/CMOS/TFT LCD</li> <li>• With scaling board 48 bits TTL/CMOS/TFT LCD (*)</li> <li>• With SiS302LV board for LVDS LCD and TV function simultaneously (*)</li> </ul>
Flash Disk	DiskOnChip socket available	N/A
Drive Bays	1 x HDD 3.5", 1x Slim CD-ROM/DVD-ROM Drive, 1 x Slim FDD	
Compact Flash	N/A	Socket available (type I/II)
Watchdog Timer	64-level intervals	
Ethernet 1	Onboard Realtek 8201BL PHY 10/100 Base-T	
Ethernet 2	N/A	Onboard Realtek 8101L 10/100 Base -T
Audio	Onboard AC'97 Audio Codec (Line-in, Line-out & Mic-in)	
I/O Ports	4 x Serial (3 x RS232, 1x RS-232/485), +5V/12V power output on pin 1 or pin 9	4 x Serial (3 x RS232, 1x RS-232/422/485), +5V/12V power output on pin 9
	1 x Parallel (SPP/EPP/ECP)	
	1 x External IDE Interface	N/A
	1 x External FDD Interface	N/A
	1 x PS/2 Keyboard	
	1 x PS/2 Mouse	
	1 x DIO ( Input x 2 ; Output x 2) with 1 x RJ-12 Phone Jack	
	4 x USB 1.0 (2 x back I/O, 2 x onboard)	4 x USB 2.0
	N/A	2 x IEEE 1394
	1 x VGA Interface for second display	
	1 x Brightness VR	
	1 x Speaker-out, 1 x Line-in & 1 x Mic-in	
Expansion Slot	1 x DC-out connector (+5V/+12V)	N/A
	1 x PCI & 1 x PCI/ ISA (shared)	2 x PCI
Power Supply	ATX150W, 100~230VAC @ 47~63Hz Optional 24V DC Power Supply (*)	ATX200W, 100~230VAC @ 47~63Hz AC 100-240V (Universal) via external DC 19V adaptor (12.1" only)
Construction	Heavy-Duty Steel	
Front Bezel	Aluminum Black/Silver (12.1", 15", 17") Small Metal, Beige (12.1", 15", 17"), Big Metal, Beige (12.1", 15")	
Chassis Color	Beige	
Mounting	Panel mounted	
Dimensions	12.1": 365 x 294 x 103.5mm (W x H x D) 15": 408 x 331 z 111.5mm (W x H x D) 17": 444 x 376 x 130mm (W x H x D)	
O/S	Windows98, 98SE, ME, NT, 2000, XP	
Safety	FCC, CE, UL	

Remark: "\*" Optional Function/Feature

### Environment Specifications:

- Operating Temperature 0°C~40°C
- Relative Humidity 10~90%, non-condensing
- Vibration 5~500Hz , X/Y/Z displacement, 5~500Hz power spectrum density, 1G acceleration peak to peak
- Storage Temperature 0°C~60°C

Specifications subject to change without notice.

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