

# PWS-1419/1409 9-slot 14.1" TFT LCD Portable Workstation



## Introduction

### PWS-1419T/TP Ruggedized Portable Workstation

The PWS-1419 complies with stringent military and industrial standards. Built with an all aluminum enclosure with hard anodized surface, the PWS-1419T/TP has been thoroughly tested and certified to withstand the most demanding environments. The PWS-1419 is dustproof, moisture resistant, shock/drop proof, and heat/cold resistant. Built-in sound and standard PC I/O ports are provided along with a 14.1" TFT LCD with 1025 x 768 resolution. Its compact size makes it an ideal solution for field operations and is extremely mobile with the ability to be carried on to a plane or easily fit into a vehicle. It is ruggedly built and expandable while meeting MIL-STD-810E military standards and industrial requirements.

### PWS-1409T/TP Portable Workstation

The PWS-1409T/TP is a more practical version of the PWS-1419 portable workstation, making it also ideal for rugged field and mobile applications. The product is built on an aluminum chassis surrounded by a highly durable ABS plastic shell. It offers a cost effective solution for applications such as portable servers, network/communications testing, field data acquisition, remote field service, factory monitoring automation, etc.

## Specifications

- **Chassis:** PWS-1419 - Complete Aluminum  
PWS-1409 - Aluminum chassis w/ ABS Plastic Shell
- **Backplane:** TP version - 1 CPU, 4 ISA, 4 PCI; T version - 1 CPU, 8 ISA
- **Keyboard:** Full Size Mechanical Key-Switch, detachable
- **Power Supply:** AC 110/220 V Auto Switch
- **Shock:** Operating -- 15 G, 11 ms  
Storage -- 50 G, 11 ms (for PWS-1419 only)
- **Vibration:** Operating -- 20 ~ 60 Hz, .075 mm  
Storage -- 10 ~ 50 Hz, .15 mm (for PWS-1419 only)
- **Storage Device:** FDD built-in, plus 1 Hard Disk Bay and 1 slim type

## Features

- 9-slot ISA/PCI backplane platform
- Full size mechanical key-switch keyboard with touch-pad
- Built-in amplified stereo speakers
- 14.1" TFT LCD w/ 1028x768 resolution
- Add-on Card Retention bar
- Built-in Standard PC I/O Ports
- CE, FCC, CCC, BSMI Compliant
- Carrying case for easy travel

### For PWS-1419T/TP only

- MIL-STD-810E compliant
- Impact-resistance protective glass for LCD
- Hard Anodizing Surface MIL-A-8625II/III
- Complete Aluminum Enclosure

CD-ROM Bay

- **Temperature:** Operating -8°C ~ 60°C, Storage -20°C ~ 60°C
- **Humidity:** PWS-1419 Meth 5 % ~ 95 % RH, non-condensing  
PWS-1409 10 % ~ 90 % RH, Non-condensing
- **Dimensions (W x H x D) & Weight:**  
PWS-1419: 421 mm x 282 mm x 230 mm (16.6" x 11.1" x 9.1"),  
26.4 Lbs/12 Kgs  
PWS-1409: 400 mm x 320 mm x 200 mm (15.7" x 13.2" x 10.4"),  
19.8Lbs/9 Kgs

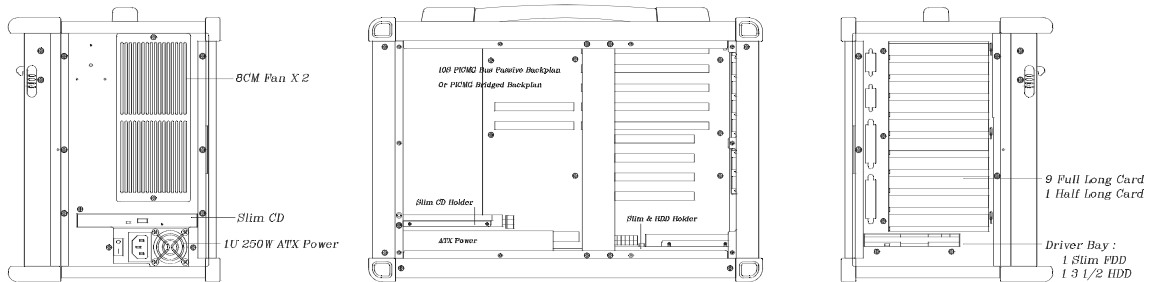


## Coming Soon!!

- Dural HDD mirror disk version available on Q4-2002
- -40° C low temperature device available on Q4-2002.

## Dimensions

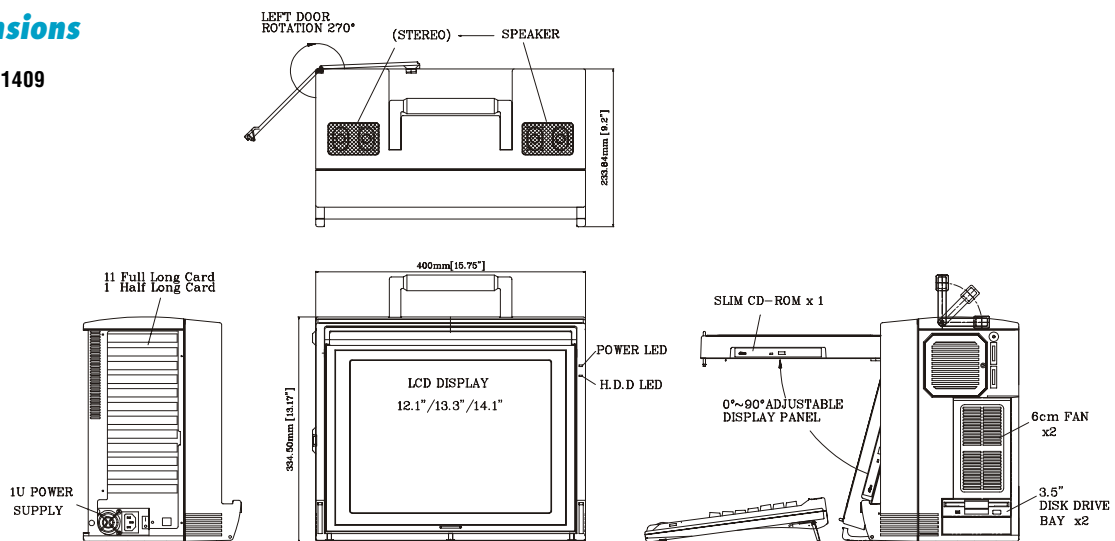
PWS-1419



Unit: mm

## Dimensions

PWS-1409



Unit: mm

## LCD Display

Model		PWS- 1409T/TP	PWS-1419T/TP
Display	Size	14.1"	14.1"
	Type	Active Matrix TFT	Active Matrix TFT
	Max Resolution	1024 x 768	1024 x 768
	Max Color	262K	262K
	Viewing Angle (H,V)	H: Left Side 40°, Right Side 40° V: Up Side 15°, Down Side 30°	H: Left Side 50°, Right Side 50° V: Up Side 20°, Down Side 35°
	Luminance (cd/m2)	130 nit	220 nit
	Backlight Lifetime (hrs)	25,000	25,000

## Ordering Information

- ❑ **PWS-1419T:** 14.1" LCD, Aluminum Chassis, 8ISA/1CPU, Slim Type FDD
- ❑ **PWS-1419TP:** 14.1" LCD, Aluminum Chassis, 4ISA /4PCI/1CPU, Slim Type FDD
- ❑ **PWS-1409T:** 14.1" LCD, Aluminum Chassis w/ ABS Plastic Shell, 8ISA/1CPU, standard type FDD
- ❑ **PWS-1409TP:** 14.1" LCD Aluminum Chassis w/ ABS Plastic Shell, 4 ISA/4 PCI/1 CPU, standard type FDD