PWS-1409/TP
PWS-1419/TP

**9-slot 14.1" TFT LCD
Portable Workstation**

**9-slot 14.1" TFT LCD
Ruggedized Portable Workstation**

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

- Impact-resistance protective glass for LCD
- Complete Aluminum Enclosure

Introduction

PWS-1419T/TP Ruggedized Portable Workstation

The PWS-1419 complies with stringent 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 it is extremely mobile with the ability to be carried on to a plane or easily fitted 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 light version of 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 CD-ROM bay
- **Temperature** Operating -8 ~ 60° C, Storage -20 ~ 60° C
- **Humidity** PWS-1419 meth 5 ~ 95 % RH, non-condensing
  PWS-1409 10 ~ 90 % RH, non-condensing
- **Dimensions (W x H x D)** PWS-1419: 421 x 282 x 230 mm (16.6" x 11.1" x 9.1")
  PWS-1409: 400 x 320 x 200 mm (15.7" x 13.2" x10.4")
- **Weight** PWS-1419: 12 Kgs (26.4 lbs)
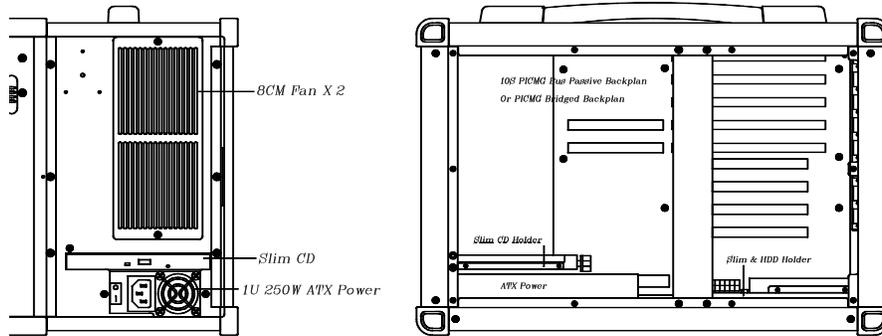 PWS-1409: 9 Kgs (19.8 lbs)

LCD Display

	PWS-1409T/TP	PWS-1419T/TP
Display type	14"1 Active Matrix TFT	14"1 Active Matrix TFT
Max. resolution	1024 x 768	1024 x 768
Max. colors	262 K	262 K
Viewing angle	H: left side 40°, right side 40°	H: left side 50°, right side 50°
	V: up side 15°, down side 30°	V: up side 20°, down side 35°
Luminance	130 cd/m²	220 cd/m²
Backlight lifetime	25,000 hrs	25,000 hrs

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
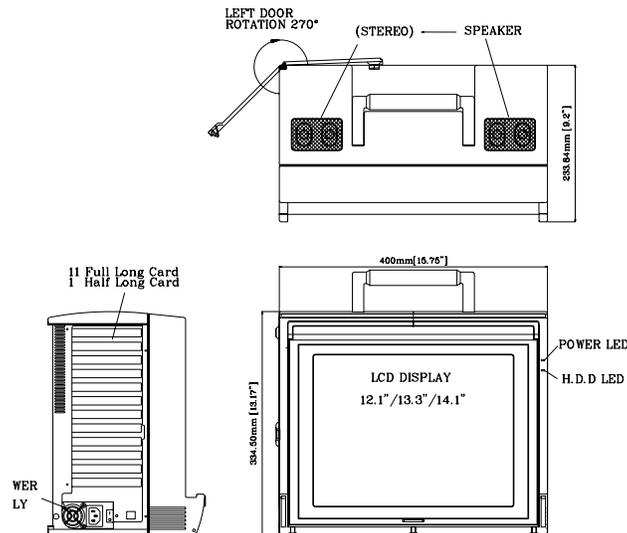
1 IPPC & AWS

2 TPC

3 FPM

4 ATM

5 DA&C

6 cPCI

7 ADAM-3000

8 eConnectivity

9 ICOM

10 Software

11 UNO-2000/3000

12 VBOX

13 ADAM-4000

14 ADAM-5000

15 ADAM-6000

16 ADAM-8000

Dimensions

Unit: mm

8CM Fan X 2

Slim CD

1U 250W ATX Power

10S PICMG Bus Passive Backplan
Or PICMG Bridged Backplan

Slim CD Holder

ATX Power

Slim & HDD Holder

Dimensions

Unit: mm

LEFT DOOR
ROTATION 270°

(STEREO) — SPEAKER

283.84mm [9.2"]

11 Full Long Card
1 Half Long Card

400mm[15.75"]

334.50mm [13.17"]

POWER LED

LCD DISPLAY
12.1"/13.3"/14.1"

H.D.D LED

WER
LY

Front View