

# AWS-8248

## Workstation with 14.1" LCD and 8 Expansion Slots



### Features

- 14.1" XGA TFT LCD display with resolution up to 1024 X 768
- Standard RGB (VGA) interface for display
- Auto-recognition for multi-format signals, supports XGA, XGA, SVGA, VGA, VGA-Text
- Equipped with On Screen Display (OSD) operation keypad on the back chassis
- Quick maintenance comes from slide-out card cage design
- Stainless steel chassis with NEMA4/IP65-compliant aluminum front panel

### Introduction

The AWS-8248 is a PC-based industrial workstation designed specially for the factory floor and other harsh industrial environments. The highly-integrated AWS-8248 features a 14.1" low radiation, high resolution LCD display and full-function keypads within a rugged compact unit.

The 19" AWS-8248 can be either rack mounted or panel mounted. It provides 7 PCI/ISA slots or 8 ISA slots in a slide-out card cage (work drawer) for easy installation and maintenance.

An optional touchscreen is also available for a more intuitive user interface.

### Specifications

- **Front panel:** Aluminum, meets NEMA4/IP65 standard
- **Disk drive housing:** Supports one 3.5" FDD, one 3.5" HDD and one slim CD-ROM (HDD and CD-ROM optional)
- **Three cooling fans:** 32 CFM fan for power supply, 29 CFM fan for monitor, 36 CFM fan for plug-in cards
- **Membrane keypad:** One with 39 operating keys, one with 10 function keys and 10 programmable macro function keys
- **Keyboard connector:** 5-pin DIN connector on both front panel and rear panel
- **Controls:** Reset and power On/Off
- **Indicators:** LEDs for power On/Off and HDD activity
- **Touchscreen (optional):** Analog resistive type with RS-232 interface
- **Dimensions (W x H x D):** 482 mm x 356 mm x 450 mm (19.0" x 14.0" x 17.7")
- **Gross Weight:** 38 kg (83.8 lbs)
- **Operating temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Storage temp.:** -40° ~ 60° C (-4° ~ 140°F)
- **Storage humidity:** 5 ~ 95% non-condensing
- **Vibration (operation):** 5 ~ 17 Hz, double-amplitude displacement  
17 ~ 500 Hz, 1.0 G peak to peak
- CE ,FCC, BSMI compliant

### Passive Backplane

- **PCA-6107P2:** 4 ISA, 2 PCI, 1 CPU slot
- **PCA-6108C:** 8 ISA slots

### LCD Display

Display type	14.1" TFT LCD
Max. resolution	1024 x 768
Maxi. colors	262 K
Luminance (cd/m <sup>2</sup> )	200
Viewing angle	90°(H), 50°(H)
Operating temperature	0 ~ 50°C (32° ~ 122°F)
LCD MTBF	50,000 hours
Backlight lifetime	50,000 hours
Interface	Direct VGA
Display setting	OSD

### Power Supply

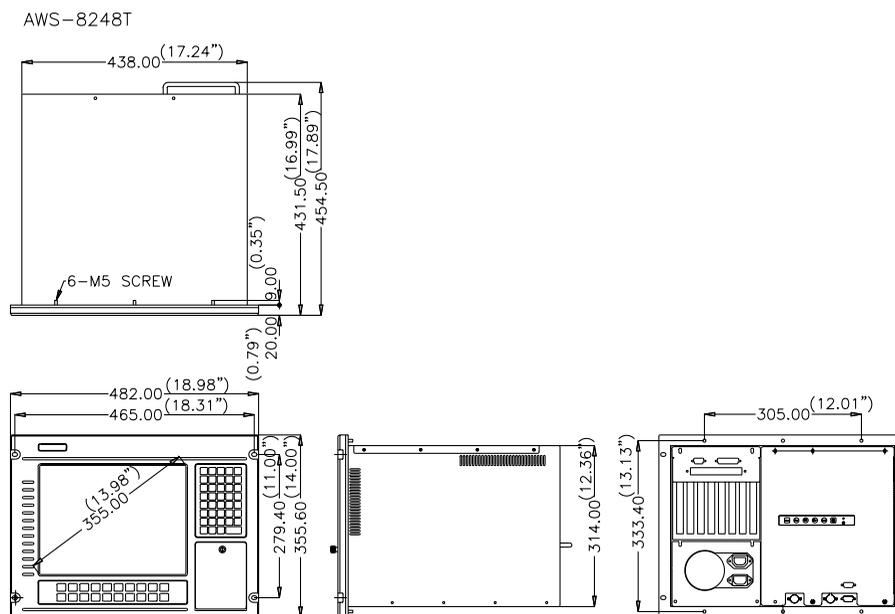
#### AC input 250 W (standard offer)

- **Input:** 90 ~ 135 V AC or 180 ~ 265 V AC, switchable
- **Output:** +5 V @ 25 A; +12 V @ 8 A; +5 VSB @ 1 A  
-5 V @ 0.5 A; -12 V @ 0.8 A; +3.3 V @ 14 A
- **MTBF:** 100,000 hours
- **Safety:** UL/CSA/TUV

CE FCC

## Dimensions

Unit: mm (inch)



Cutout dimensions: 450 mm x 326 mm  
(17.72" x 12.83")



## Ordering Information

- ❑ **AWS-8248TP**  
14.1" LCD, 4 ISA/ 3 PCI/ 1 CPU slots, 250 W 110/220 V<sub>AC</sub> power supply, 3.5" FDD
- ❑ **AWS-8248T**  
14.1" LCD, 8 ISA slots, 250 W 110/220 V<sub>AC</sub> power supply, 3.5" FDD
- ❑ **AWS-8248TP-T**  
AWS-8248TP with resistive touchscreen (RS-232 interface)

- ❑ **AWS-8248T-T**  
AWS-8248T with resistive touchscreen (RS-232 interface)
- ❑ **AWS-8248T-C1**  
AWS-8248T bundle PCA-6359V CPU card
- ❑ **AWS-8248TP-C1**  
AWS-8248TP bundle PCA-6359V CPU card
- ❑ **AWS-8248T-C2**  
AWS-8248T bundle PCA-6179V CPU card
- ❑ **AWS-8248TP-C2**  
AWS-8248TP bundle PCA-6179V CPU card
- ❑ **AWS-8248T-TC1**  
AWS-8248T-T bundle PCA-6359V CPU card
- ❑ **AWS-8248TP-TC1**  
AWS-8248TP-T bundle PCA-6359V CPU card
- ❑ **AWS-8248T-TC2**  
AWS-8248T-T bundle PCA-6179V CPU card
- ❑ **AWS-8248TP-TC2**  
AWS-8248TP-T bundle PCA-6179V CPU card
- ❑ **A825-LCD-Kit**  
LCD kit for the CRT upgrade of AWS-825B series products
- ❑ **CDR-825-0024**  
Slim 24X CD-ROM kit with support bracket

Advantech offers an AWS-825B series product upgrade program, which would upgrade the CRT in your AWS-825B to a 14.1" LCD.

Please contact your local Advantech dealer for the program detail.