

# AWS-8248V

## Cost-effective Modular 15" TFT LCD Workstation with 14 Expansion Slots



### Features

- Cost-effective 14-slot, 15" TFT LCD workstation, and resolution of 1024 x 768
- Three card-cage design: easy to maintain add-on cards, CPU card and power supply.
- Two 3.5" HDDs with mobile rack drive & CD-ROM drive in back of chassis
- Equipped with on-screen display (OSD) operation keypad on the front panel
- NEMA4/IP65, aluminum panel

### Introduction

The AWS-8248V is a 14-slot, 15" TFT LCD workstation. It improves on earlier models by offering more expansion capability, a larger LCD screen, and increased usability, all at an even more competitive price. The AWS-8248V also provides an additional major feature for users: easy maintenance. Using three card-cages and thumbscrew fasteners, the AWS-8248V makes maintenance quick and easy. The AWS-8248V combines multiple slots and 15" LCD in a more cost effective and easier to maintain design.

### Specifications

- **Front Panel** Aluminum, meets NEMA4/IP65 standard
- **Disk Drive Housing** Supports one 3.5" FDD, two 3.5" HDD and one 3.5" CD-ROM (HDD and CD-ROM optional)
- **Two Cooling Fans** 32 CFM fan for power supply, 36 CFM fan for plug-in cards
- **Membrane Keypads** One with 39 operating keys, one with 10 function keys and 10 programmable macro function keys, on screen display (OSD) operation 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 x 356 x 450 mm (19.0" x 14.0" x 17.7")
- **Gross Weight** 25.5 kgs (56.2 lbs)
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -40 ~ 60° C
- **Storage Humidity** 5 ~ 95% non-condensing
- **Vibration (operation)** 5 ~ 17 Hz, double-amplitude displacement  
17 ~ 500 Hz, 1.0 G peak to peak
- **Certifications** CE, FCC, CCC, BSMI compliant

#### LCD Display

- **Display type** 15" TFT LCD
- **Max. resolution** 1024 x 768
- **Max. colors** 262 K
- **Luminance** 200 cd/m2
- **Viewing angle** 120° (H), 100° (V)
- **Operating temperature** 0 ~ 50° C (32 ~ 122° F)
- **LCD MTBF** 50,000 hrs
- **Backlight MTBF** 25,000 hrs
- **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/TÜV

### Ordering Information

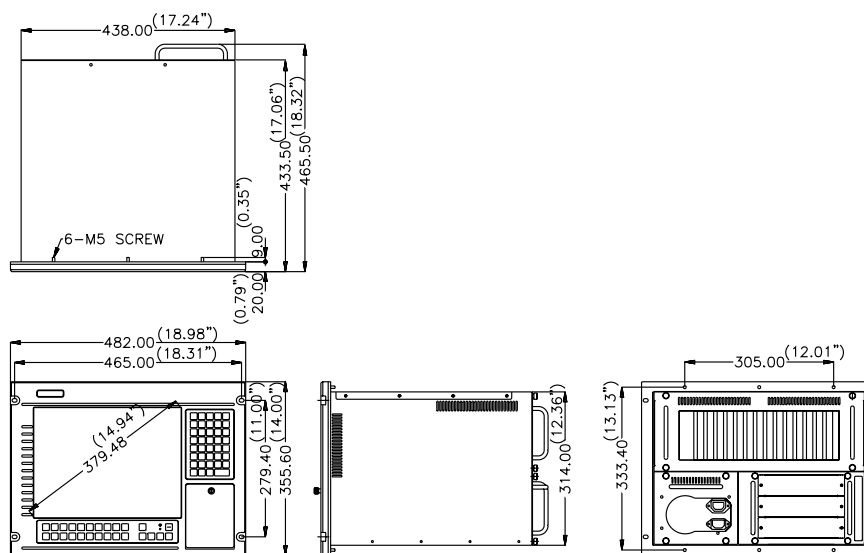
- **AWS-8248VTP** 15" TFT LCD, 4 PCI, 9 ISA, 1 CPU slot, 250 W 110/220 V<sub>AC</sub> power supply, 3.5" FDD
- **AWS-8248VT** 15" TFT LCD, 14 ISA slots, 250 W 110/220 V<sub>AC</sub> power supply, 3.5" FDD
- **AWS-8248VTP-T** AWS-8248VTP with resistive touchscreen (RS-232 interface)
- **AWS-8248VT-T** AWS-8248VT with resistive touchscreen (RS-232 interface)
- **AWS-8248VT-C1** AWS-8248VT bundle PCA-6003H CPU card
- **AWS-8248VTP-C1** AWS-8248VTP bundle PCA-6003H CPU card
- **AWS-8248VT-C2** AWS-8248VT bundle PCA-6180E CPU card
- **AWS-8248VTP-C2** AWS-8248VTP bundle PCA-6180E CPU card
- **AWS-8248VT-TC1** AWS-8248VT-T bundle PCA-6003H CPU card
- **AWS-8248VTP-TC1** AWS-8248VTP-T bundle PCA-6003H CPU card
- **AWS-8248VT-TC2** AWS-8248VT-T bundle PCA-6180E CPU card

### Optional PCI Fieldbus Card

- Supports CANopen, DeviceNet or Profibus by request

## Dimensions

Unit: mm



Cut-out dimensions: 450 x 326 mm

(17.72" x 12.83")

## Feature Details

### Easy-to-maintain: three card-cage and thumbscrew fasteners

The AWS-8248V's "work drawer" designed card cage conveniently slides out for easy access. These three card-cages (one drawer previously) allow add-on cards, HDD/CD-ROMs and power supplies to be easily changed or added. It only takes a few minutes to service the unit, saving time and money while reducing downtime. The thumbscrew fasteners make access fast and easy, speeding maintenance procedures.

### Easy Access Control Panel

Users can easily access the AWS-8248V's controls from the front of the unit via a sturdy protective door. Controls include LEDs and switches for power and system reset, as well as an OSD in front. The front panel also holds a 3.5" 1.44 MB FDD. The aluminum door protects controls from the environment. The door has a waterproof foam-rubber seal and retaining hand screw to securely hold it closed. In addition, the door offers protection against accidental operation of the unit's controls.

### Ruggedized Design Meets Harsh Environment Needs

In addition, the AWS-8248V also features many powerful functions that meet or exceed industrial-grade requirements. The front panel is made of aluminum, which prevents the panel from being damaged by acid, salt and other elements. The unit is also waterproof and NEMA4/IP65 compliant. The AWS-8248V provides three mounting configurations to fit various applications: 19" rack mount, panel mounting and desktop.

## Back View



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