

# AWS-8248V

## 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 onscreen 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

#### General

- **Button Controls**
  - Membrane Keypad 1 39 operating keys
  - Membrane Keypad 2 10 function keys
  - 10 programmable macro function keys
  - Reset and power on/off
- OSD On front panel
- Touchpad On front panel
- **Certifications** BSMI, CCC, CE, and FCC class A
- **Enclosure** Aluminum, meets NEMA4/IP65 standard
- **Disk Drive Housing** Supports one 3.5" FDD, two 3.5" HDD and one 5.25" CD-ROM (HDD and CD-ROM optional)
- **Cooling System**
  - 32 CFM fan for power supply
  - 36 CFM fan for plug-in cards
- **Connectors** 2 x 5-pin DIN connector for keyboard (front and rear)
- **Dimensions (W x H x D)** 482 x 356 x 465 mm (18.98" x 14.0" x 18.32")
- **LED Indicators** Power on/off, and HDD activity
- **Mounting** 19" rack, desktop
- **Power Input**

Model	Watt	Input	Output	MTBF	Safety
FSP250-60ATV-PF	250 W	95 ~ 132 V <sub>AC</sub> or 190 ~ 264 V <sub>AC</sub> (switchable)	+5 V @ 27 A +12 V @ 13 A +5 VSB @ 2 A -5 V @ 0.3 A -12 V @ 0.8 A +3.3 V @ 12 A	100,000 hrs	UL/CSA/TUV

- **Weight (Gross)** 25.5 kg (56 lb)

#### LCD Display

- **Backlight Life** 50,000 hrs
- **Display Type** 15" TFT LCD
- **Max. Resolution** 1024 x 768
- **Max. Colors** 262 K
- **Luminance** 350 cd/m<sup>2</sup>
- **Viewing Angle (H/V°)** 120/100
- **Interface** Direct VGA
- **Display Setting** OSD

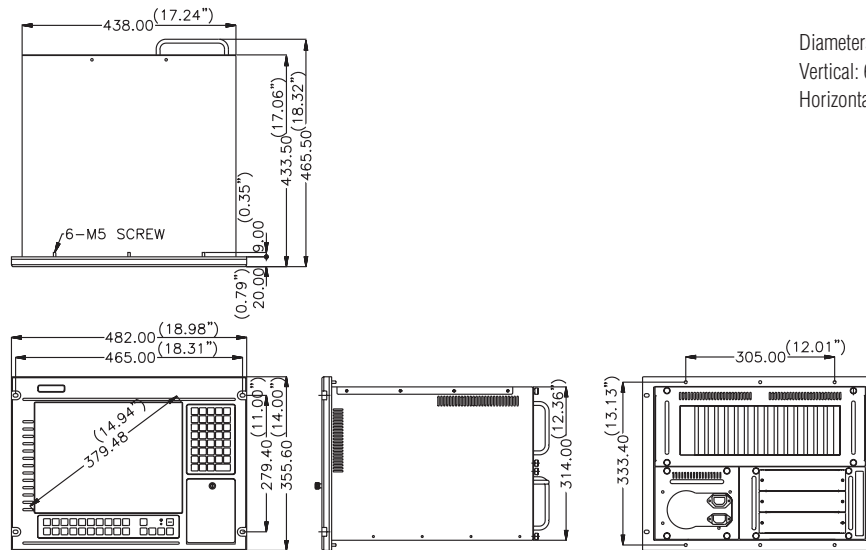
#### Touchscreen (Optional)

- **Interface** RS-232
- **Lifespan** 1 million touches at a single point
- **Light Transmission** 75 %
- **OS Support** MS-DOS, Windows 95/98/NT/2000/XP
- **Power Consumption** +5 V @ 200 mA
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

#### Environment

- **Humidity (Storage)** 5 ~ 95% non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F )
- **Storage Temperature** -40 ~ 60° C
- **Vibration (Operating)** 5 ~ 17 Hz, double-amplitude displacement  
17 ~ 500 Hz, 1.0 G peak to peak

## Dimensions



Cut-out dimensions: 450 x 326 mm (17.72" x 12.83")

## Ordering Information

- AWS-8248VTP-XAE** 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-XAE** 15" TFT LCD, 14 ISA slots, 250 W 110/220 V<sub>AC</sub> Power Supply, 3.5" FDD
- AWS-8248VTP-RAE** AWS-8248VTP with Resistive Touchscreen (RS-232 interface)
- AWS-8248VT-RAE** AWS-8248VT with Resistive Touchscreen (RS-232 interface)

## CPU Card Suggestions

Part No	CPU Grade	Description
PCA-6186VE-00A1	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron processor card with VGA/LAN/HISA
PCA-6186LV-00A1	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron processor card with VGA/HISA
PCA-6003H-00A1	Intel Pentium III (133 MHz FSB)	Socket 370 Pentium/Celeron processor card with VGA/LAN/HISA

## Back View



## Feature Details

### Easy to Maintain

The AWS-8248V's "work drawer" designed card cage conveniently slides out for easy access. These three card-cages 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.