

# AWS-8248V

## 15" XGA TFT LCD Industrial Workstation with 14 x ISA/PCI/PICMG Slots, Passive Backplane and Membrane Keypad



### 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 & DVD-ROM drive in back of chassis
- Equipped with onscreen display (OSD) operation keypad on the front panel
- Front panel is NEMA4/IP65 compliant

### 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
  - OSD 10 programmable macro function keys
  - Touchpad Reset and power on/off
- **Certifications** BSMI, CCC, CE, and FCC class A
- **Enclosure** Aluminum, meets NEMA4/IP65 standard
- **Disk Drive Housing** Supports two 3.5" HDDs and one 5.25" DVD-ROM (HDD and DVD-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°)** 160/130
- **Interface** Direct VGA
- **Display Setting** OSD

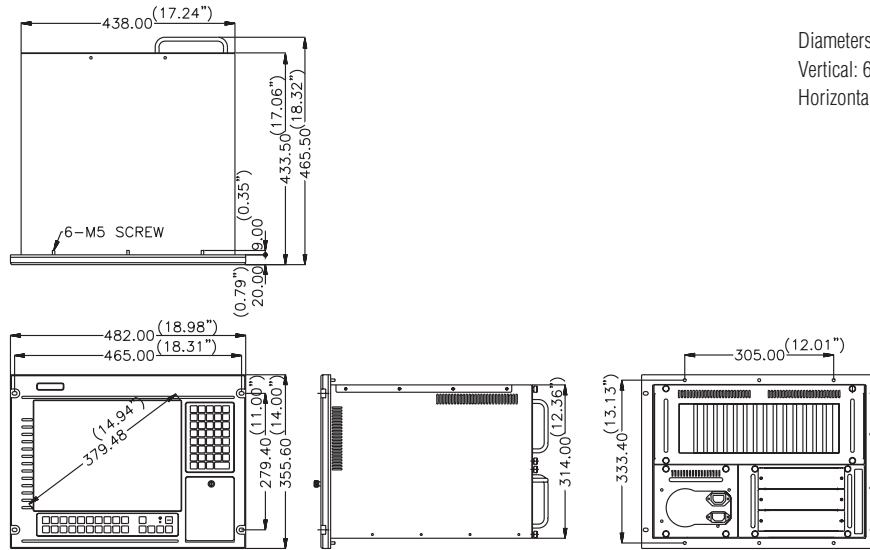
#### Touchscreen (Optional)

- **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**



Unit: mm

Diameters of the rackmount holes:  
Vertical: 6.5 mm  
Horizontal: 9 mm

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

**Ordering Information**

- **AWS-8248VTP-XAE** 15" B/P Ind. Workstation with 14 slots
- **AWS-8248VTP-RAE** 15" B/P Ind. Workstation with 14 slots and TS

**CPU Card Suggestions**

Part No	CPU Grade	Description
PCA-6194	Intel Core 2 Duo/Pentium Dual-Core/Celeron 400Sequence/Pentium D/Pentium 4/Celeron D	LGA775 FSBC with VGA/LAN/HISA,RoHS
PCA-6008	Intel Pentium M/Celeron M/Celeron M	Socket 479 FSBC with VGA/LAN/HISA,RoHS
PCA-6010	Intel Core 2 Duo/Pentium Dual-Core/Intel Celeron 440/Pentium 4/Celeron D	LGA775 FSBC with VGA/LAN/HISA, RoHS

**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/DVD-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 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.