

# Промышленные рабочие станции серии AWS-8129H, AWS-8248V, AWS-8259

## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

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# AWS-8129H

Workstation w/12.1" LCD, 9 Expansion Slots & Touchpad w/Mouse Key



**NEW**



## Features

- 3 ISA, 4 PCI, 2 PICMG slot combined backplanes
- Case dimensions (W x H x D): 482 x 266 x 317 mm (18.98" x 10.5" x 12.5")
- Front accessible FDD, Power switch and CD-ROM
- Front accessible USB port
- OSD & Membrane Key & Touchpad with two mouse buttons
- NEMA4/IP65 compliant front panel
- Optional analog resistive touchscreen (USB Interface)
- RoHS Compliant

## Introduction

The AWS-8129H is a PC-based industrial workstation with an industrial grade 12.1" color TFT LCD display. The AWS-8129H is specifically designed for use within factories and other harsh industrial environments. This 19" frame can be rack or panel mounted. The AWS-8129H provides 3 ISA, 4 PCI, 2 PICMG slots, which offers great flexibility for application specific requirements.

## Specifications

### General

- **Button Controls**  
Membrane Keypad 1 47 operating keys included 26 alpha characters  
Membrane Keypad 2 10 function keys  
10 programmable macro function keys  
Reset and power on/off
- **OSD**  
6 OSD keys (Display On/Off, Brightness up, Brightness down, Menu Select, Exit)
- **Touchpad**  
Touchpad with two mouse buttons
- **Certifications**  
CE, FCC, BSMI, CCC compliant
- **Connectors**  
Front-accessible 6-pin PS/2 connector w/dust-protection door
- **Cooling System**  
1 x 49 CFM fan on rear panel
- **Dimensions (W x H x D)** 482 x 266 x 317 mm (18.98" x 10.5" x 12.5")
- **Enclosure**  
Aluminum
- **Disk Drive Bay**  
Supports one slim FDD, one 3.5" HDD & one slim CD-ROM (HDD and CD-ROM optional)
- **LED Indicators**  
Power on/off and HDD activity
- **Mounting**  
19" rack
- **Power Input Options**

Type	Watt	Input	Output	MTBF	Safety
AC (Standard)	250 W	90 – 132 V <sub>AC</sub> /10 A or 190 – 264 V <sub>AC</sub> /5 A (Switchable) 47 – 63 Hz	3.3 V @ 10 A 5 V @ 10.9 A 12 V @ 2.25 A -12 V @ 0.4 A -5 V @ 0.15 A +5 VSB @ 1 A	100,000 hrs	UL/CSA/ TUV/CCIB

- **Weight (Gross)** 17 kg (37.5 lb)

### LCD Display

- **Backlight Life** 50,000 hrs
- **Display Type** 12.1" TFT color LCD
- **Max. Resolution** 800 x 600
- **Max. Colors** 262 K
- **LCD Interface** VGA
- **Luminance** 350 cd/m<sup>2</sup>
- **Viewing Angle (H/V°)** 140/120

### Touchscreen (Optional)

- **Interface** USB
- **Lifespan** 10 million touches at a single point
- **Light Transmission** 88 %
- **OS Support** Windows 95/98/2000/XP
- **Power Consumption** +5 V @ 200 mA
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

### Environment

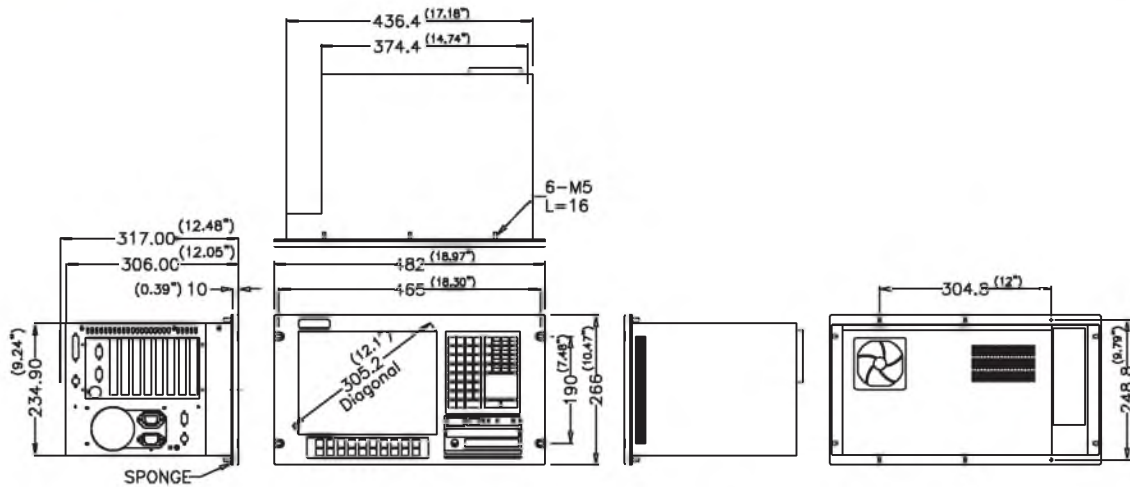
- **Humidity** 5 – 85% RH @ 50° C, non-condensing
- **Humidity (Storage)** 5 – 95% RH, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 – 50° C (32 – 122° F)
- **Storage Temperature** -20 – 60° C

### Passive Backplanes

- **9693610900E** PCA-6109P4 (4 PCI, 3 ISA, 2 PICMG slot backplane)

**Dimensions**

Unit: mm



Cut out dimension: 440.4 mm x 238.9 mm (17.18" x 9.24")

**Ordering Information**

- **AWS-8129H1-XAE** 12.1" TFT, 3 ISA & 4 PCI slots & 2 PICMG, 250 W 110/220 V<sub>AC</sub> Power Supply, 3.5" slim FDD
- **AWS-8129H1-RAE** AWS-8129H1-XAE with Resistive Touchscreen

**CPU Card Suggestions**

Part No	CPU Grade	Description
PCA-6186E2-00B2E	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron Processor card with VGA/Dual LAN/HISA, RoHS
PCA-6186VE-00B2E	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron Processor card with VGA/LAN/HISA, RoHS
PCA-6186LV-00B2E	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron Processor card with VGA/HISA, RoHS
PCA-6187VE-00B2E	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron Processor card with VGA/Single LAN/HISA, RoHS

**Top View**



# AWS-8259

## Modular Workstation with 15" LCD and 9 Expansion Slots



### Introduction

AWS-8259's 15" high-brightness 1024 x 768 TFT LCD fulfills the request for super large information viewing. Plus with front On-Screen-Display (OSD) keys and water-proof touch pad features, maintenance staff can operate or key-in data quickly without an external keyboard or mouse. With a two-piece modular design, the LCD display and chassis can separate for easier installation in either rack, panel or wall mount due space concerns. The Backlight, inverter and LCD module can even be repaired quickly from the display box.

### Specifications

- **Front Panel:** aluminum, meets NEMA4/IP65
- **LCD Display Interface:** VGA
- **Display Setting:** OSD on front panel
- **Disk Drive Housing:** supports one slim 3.5" FDD, one 3.5" HDD & one slim CD-ROM (HDD and CD-ROM optional)
- **Cooling System:** one 86 CFM fan
- **Membrane Keypads:** one with 39 operating keys, one with 10 function keys and 10 programmable macro function keys
- **Keyboard:** 6-pin PS/2 keyboard connector with dust-protection door on front panel
- **Touch Pad Interface:** PS/2 mouse
- **Indicators:** LEDs for power on/off and HDD activity
- **Touchscreen (optional):** analog resistive type with RS-232 controller
- **Operating Temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Relative Humidity:** 5 ~ 85% @ 40° C, non-condensing
- **Storage Temperature:** -20° ~ 60° C

- **Storage Humidity:** 5 ~ 95% non-condensing
- **Dimensions (W x H x D):** 482 mm x 356 mm x 229 mm (19.0" x 14.0" x 9")
- **Gross Weight:** 22 kg (48 lbs)
- **CE, FCC, BSMI compliant**

### Passive Backplane

- **PCA-6109P4:** 4 PCI, 4 ISA, 1 CPU slot backplane
- **PCA-6109:** 9 ISA slot backplane

### Power Supply

#### AC input 300 W (standard offer)

- **Input:** 90 ~ 135 V<sub>AC</sub> or 180 ~ 265 V<sub>AC</sub>, switchable
- **Output:** +5 V @ 30 A; +12 V @ 15 A; +3.3 V @ 24 A  
-5 V @ 0.3 A; -12 V @ 0.8 A; +5 V<sub>SB</sub> @ 2 A
- **MTBF:** 100,000 hours
- **Safety:** UL/CSA/TUV

### LCD Display

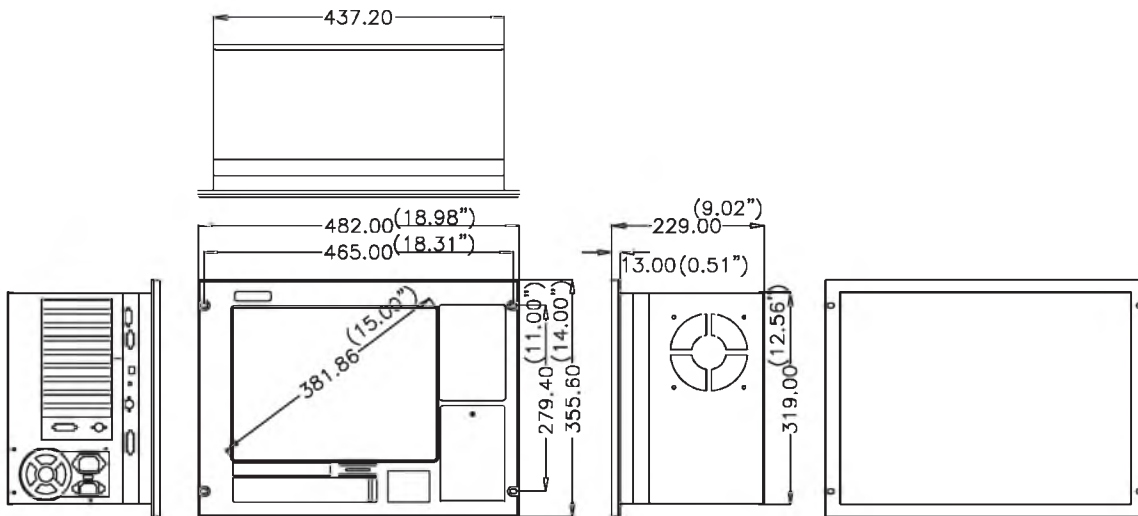
	AWS-8259
Display type	15" SVGA TFT LCD
Max. resolution	1024 x 768
Maxi. colors	262 K
Luminance	200 cd/m <sup>2</sup>
Viewing angle	120° (H), 100° (V)
Operating temperature	0 ~ 50° C
LCD MTBF	50,000 hours
Backlight lifetime	25,000 hours

CE FC BSMI

# Modular Workstation with 15" LCD and 9 Expansion Slots

## Dimensions

Unit: mm (inch)



Cut-out dimensions (W x H): 443 x 325 mm (17.4" x 12.8")

## Side View



## Ordering Information

- **AWS-8259TP**  
15" TFT, 4 ISA & 4 PCI & 1 CPU slots, 300 W 110/220 V AC power supply, 3.5" slim FDD
- **AWS-8259T**  
15" TFT, 9 ISA slots, 300 W 110/220 V AC power supply, 3.5" slim FDD
- **AWS-8259TP-T**  
AWS-8259TP with resistive touchscreen (RS-232 interface)
- **AWS-8259T-T**  
AWS-8259T with resistive touchscreen (RS-232 interface)

## Accessories

- **CDR-8259-24x**  
Slim 24x CD-ROM

## Optional PCI Fieldbus Card

- Support CANopen, DeviceNet or Profibus by request

# AWS-8248V

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



### Introduction

The AWS-8248V is a 14-slot, 15" TFT LCD workstation. It is a great update to the AWS-8248 product line 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.

#### 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 1/2" 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.

#### Industrial 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.

### 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

### 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 Keypad:** 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 mm x 356 mm x 450 mm (19.0" x 14.0" x 17.7")
- **Gross Weight:** 25.5 kg (56.2 lbs)
- **Operating Temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Storage Temp.:** -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
- **CE .FCC. BSMI compliant**

### LCD Display

	AWS-8248V
Display type	15" TFT LCD
Max. resolution	1024 X 768
Max. colors	262 K
Luminance	200 cd/m <sup>2</sup>
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

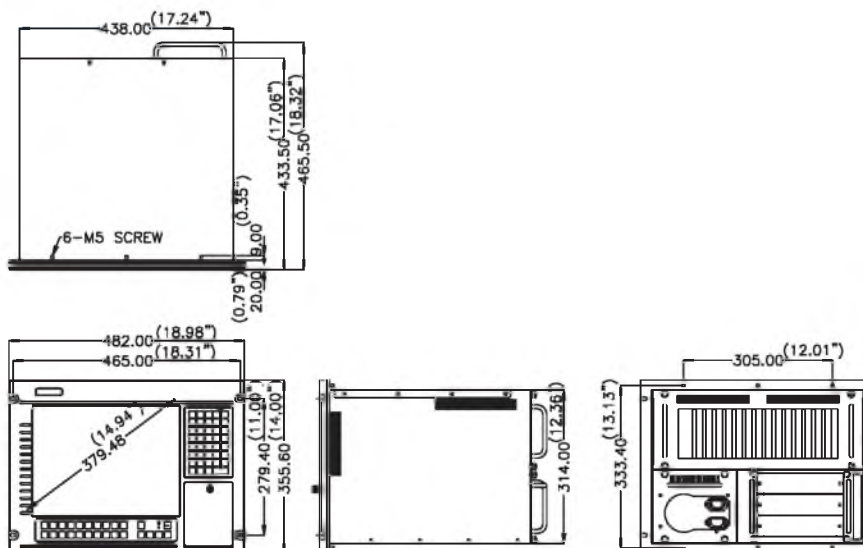
CE FC BSMI



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

## Dimensions

Unit: mm (inch)



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

## 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



## 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

- Support CANopen, DeviceNet or Profibus by request

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