

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 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.

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

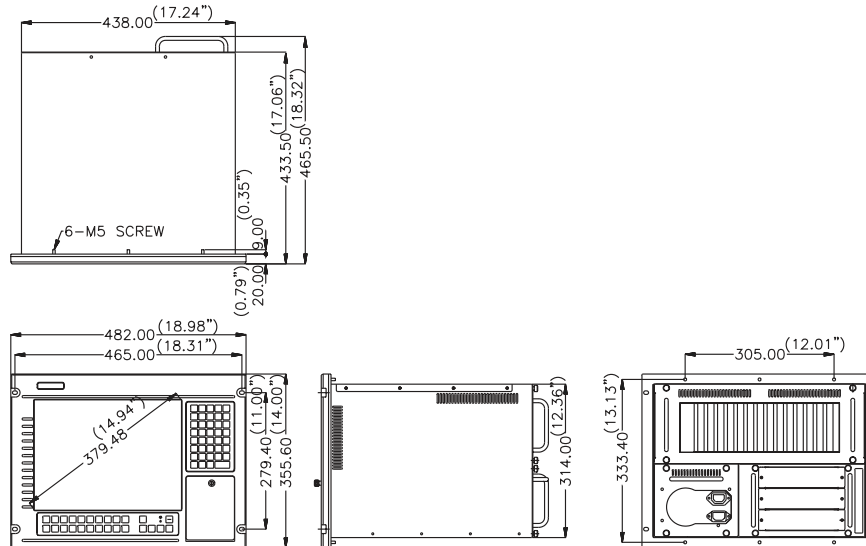
	AWS-8248V
Display type	15" TFT LCD
Max. resolution	1024 X 768
Max. colors	262 K
Luminance	200 cd/m ²
Viewing angle	120° (H), 100° (V)
Operating temperature	0 ~ 50° C (32 ~ 122° F)
LCD MTBF	50,000 hrs
Backlight MTBF	25,000 hrs
Interface	Direct VGA
Display setting	OSD



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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_{AC} power supply, 3.5" FDD
- **AWS-8248VT**
15" TFT LCD, 14 ISA slots, 250 W 110/220 V_{AC} 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

WebLink
WebOT 1

IPPC &
AWS 2

TPC 3

FPM 4

IPC 5

UNO-
2000 6

ICOM 7

DA&C 8

cPCI 9

ADAM-
3000 10

ADAM-
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