AWS-8259

15" XGA TFT LCD Industrial Workstation with 9 x ISA/PCI/PICMG Slots, Passive Backplane and Membrane Keypad

Features

- 9-slot, 15" TFT LCD workstation
- Resolution: 1024 x 768
- Two-piece design: integrated or separated LCD panel & control chassis
- Built-in touchpad, USB port and floppy drive on front panel
- Designed for simple maintenance with hinged rear door for easy access
- Vibration protection up to 1G
- Heavy-duty stainless steel chassis with aluminum front panel
- Hard anodic coating to prevent panel abrasion and acid corrosion
- Front panel is NEMA4/IP65 compliant

Introduction

AWS-8259 is an industrial workstation with 9-slot expansion capability. Featuring a 15" detachable display module, the AWS-8259 has a rugged yet flexible design for factory floor applications. Its 15" high-brightness 1024 x 768 LCD fulfills the needs for large information viewing. In addition, the display module can be easily separated for maintenance.

With waterproof character keypads & touchpad features, an additional keyboard or mouse is not needed for operation. The standard 8U size can easily be installed in either racks or mounted in panels.

Specifications

General

- **Button Controls**
  - Membrane Keypad 1: 39 operating keys
  - Membrane Keypad 2: 10 function keys
  - 10 programmable macro function keys
  - OSD: On front panel with backlight on/off switch
  - Touchpad: On front panel
- **Certifications**: BSMI, CE, CCC, and FCC class A
- **Connectors**: 1 x front-accessible 6-pin PS/2 with dust-protection door for keyboard
- **Cooling System**: 1 x 86 CFM fan
- **Dimensions (W x H x D)**: 482 x 356 x 229 mm (18.98" x 14.0" x 9")
- **Enclosure**: Aluminum
- **Disk Drive Bay**: Supports one 3.5" 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**

Type	Watt	Input	Output	MTBF	Safety
AC	300 W	100 ~ 240 V_{AC} @ 60 ~ 50 Hz full range 10A	+5 V @ 30 A +12 V @ 15 A +3.3 V @ 28 A -5 V @ 0.3 A -12 V @ 0.8 A +5 VSB @ 2 A	100,000 hrs	UL/cUL/TUV/ Nemko/FCC/CE EN61000-3-2 Class D/CB/CCC

- **Weight (Net/ Gross)**: 18.5 kg (40.79lbs)/20 kg (44.09lbs)

Backplane Options

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

LCD Display

- **Backlight Life**: 50,000 hours
- **Display Size**: 15"
- **Display Type**: XGA TFT LCD
- **Luminance**: 350 cd/m^2
- **Max. Colors**: 262 K
- **Max. Resolution**: 1024 x 768
- **Viewing Angle (H/V°)**: 120/100

Touchscreen (Optional)

- **Interface**: RS-232
- **Lifespan**: 10 million touches at a single point
- **Light Transmission**: 80%
- **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

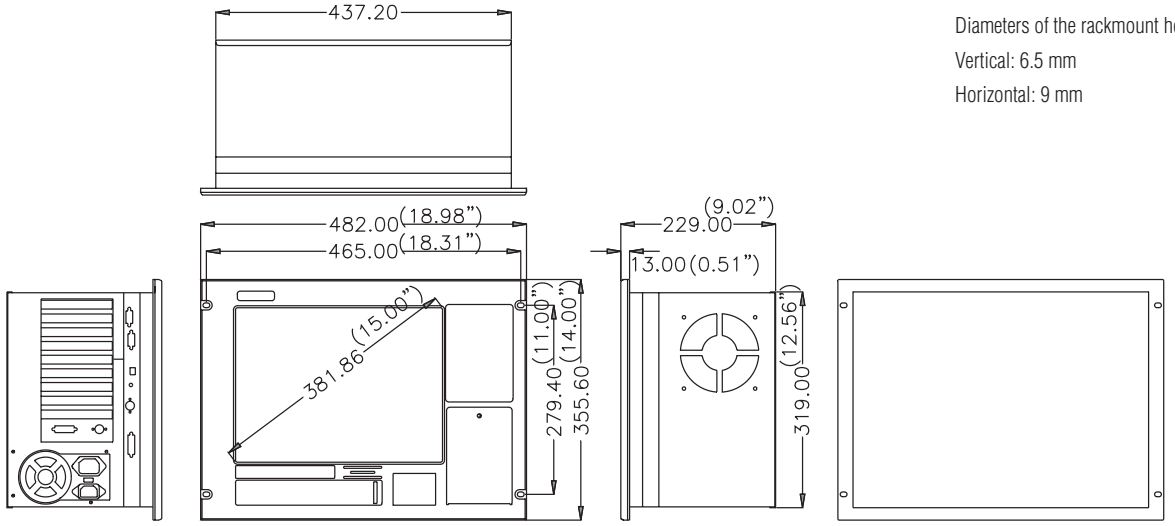
Environment

- **Humidity**: 5 ~ 85% RH @ 40° C, non-condensing
- **Humidity (Storage)**: 5 ~ 95% non-condensing
- **Ingress Protection**: Front panel: NEMA4, IP65
- **Operating Temperature**: 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature**: -20 ~ 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 (W x H): 449 x 336 mm

Ordering Information

- **AWS-8259TP-XAE** 15" XGA TFT LCD Passive Backplane Industrial Workstation with 9 x ISA/PCI/PICMG Slots and Membrane keypad
- **AWS-8259TP-RAE** AWS-8259TP with resistive touchscreen (RS-232 interface)
- **AWS-8259T-XAE** 15" XGA TFT LCD Passive Backplane Industrial Workstation with 9 x ISA Slots and Membrane keypad
- **AWS-8259T-RAE** AWS-8259T with resistive touchscreen (RS-232 interface)

CPU Card Suggestions

Part No	CPU Grade	Description
PCA-6186VE-00B2E	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron processor card with VGA/LAN/HISA
PCA-6186LV-00B2E	Intel Pentium 4 (400/533 MHz FSB)	Socket 478 Pentium 4/Celeron processor card with VGA/HISA
PCA-6003VE-00A2E	Intel Pentium III (133 MHz FSB)	Socket 370 Pentium/Celeron processor card with VGA/LAN

Accessories

- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1702031836** Power Cable China/Australia Plug 1.8 M

Back View

Side View