AWS-8129H

12.1" SVGA TFT LCD Industrial Workstation with 9 x ISA/PCI Slots, Passive Backplane and Membrane Keypad



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)

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	115/235 V_{AC}, 60-50 Hz, 10/5A (switchable)	+5 V @ 27/21.8 A +12 V @ 13 A +5 VSB @ 2 A -5 V @ 0.3 A -12 V @ 0.8 A +3.3 V @ 12.12/20 A	100,000 hrs	UL/CSA/ IEC/TUV/ NEMKO+CB

- **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^2
- **Viewing Angle (H/V°)**: 140/120

Touchscreen (Optional)

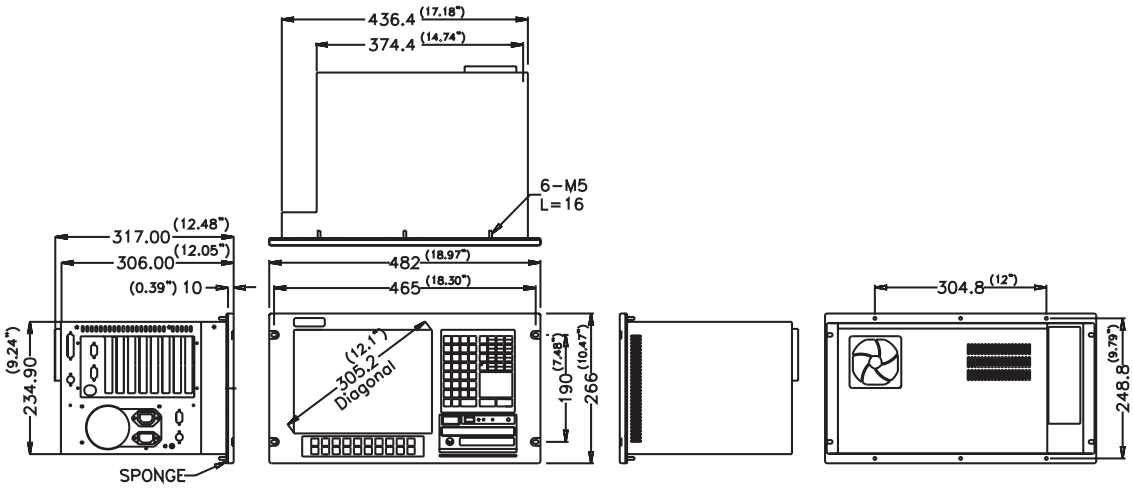
- **Interface**: USB
- **Lifespan**: 10 million touches at a single point
- **Light Transmission**: 80%
- **OS Support**: Windows 95/98/2000/XP
- **Power Consumption**: +5 V @ 200 mA
- **Resolution**: 1024 x 1024
- **Type**: 8-wire, analog resistive

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
- **Vibration (Operating)**: 5 ~ 17 Hz, double-amplitude displacement 17 ~ 500 Hz, 1.0 G peak to peak

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" SVGA TFT LCD Passive Backplane Industrial Workstation with 9 x ISA/PCI/PICMG Slots and Membrane keypad
- **AWS-8129H1-RAE** AWS-8129H1-XAE with resistive touchscreen
- **AWS-8129H2-XAE** 12.1" SVGA TFT LCD Passive Backplane Industrial Workstation with 9 x ISA Slots and Membrane keypad
- **AWS-8129H2-RAE** AWS-8129H2-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

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

Top View



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