

# 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 <sub>AC</sub> , 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<sup>2</sup>
- **Viewing Angle (H/V°)** 140/120

#### Touchscreen (Optional)

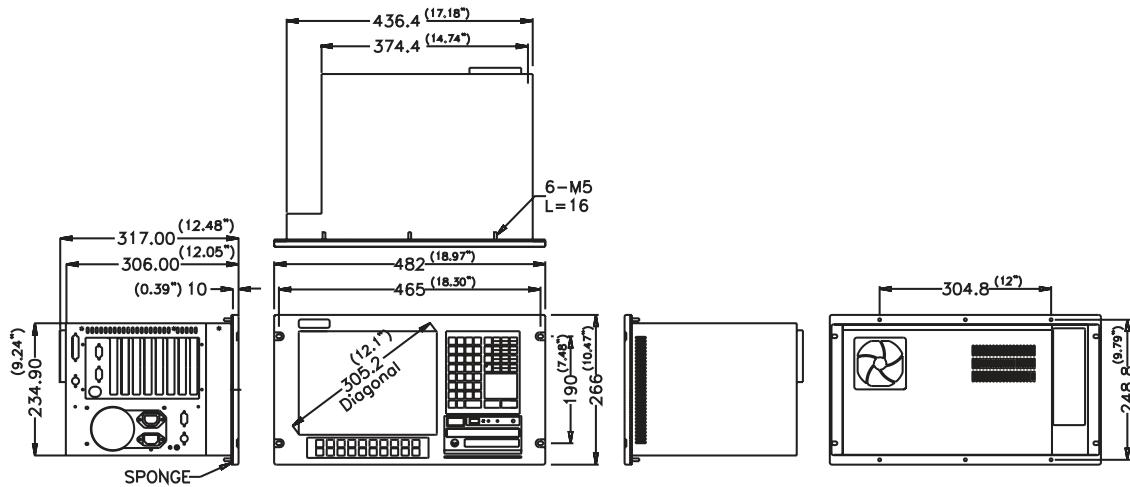
- **Interface** USB
- **Lifespan** 10 million touches at a single point
- **Light Transmission** 80%
- **OS Support** Windows 95/98/2000/XP
- **Power Consumption** +5 V @ 200 mA
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

#### 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

**Top View**



**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