

AWS-8100G

Industrial Workstation with 10.4" TFT LCD



Features

- 10.4" TFT Color LCD Display
- SVGA Resolution: 800 x 600
- High Brightness LCD: 230 nits
- LCD backlight can be turned on/off by OSD key
- 9 Expansion Passive Backplane: 4 PCI/ 4 ISA/ 1 CPU or 6 PCI/ 2 ISA/ 1 CPU
- Supports up to Intel® Pentium® 4 CPU card with video A/D board
- Up Cover easy installation add-on card

Introduction

The AWS-8100G is a PC-based industrial workstation with an industrial-grade 10.4" TFT LCD display. The AWS-8100G is specifically designed for use within factories and other harsh industrial environments. The 19" frame can be rack mounted or panel mounted. The AWS-8100G provides 9 PCI/ISA slots, which offers great flexibility for application-specific requirements.

Specifications

LCD Panel

- **Display Type** 10.4" SVGA TFT LCD
- **Front Panel** Aluminum, meets NEMA4/IP65
- **Resolution** 800 x 600
- **Maximum Colors** 262 K
- **Luminance (cd/m²)** 230 nits
- **Viewing Angle** 120°(H), 100°(V)
- **Contrast Ratio** 500:1
- **LCD backlight can be turned on/off by OSD key**

Control Chassis

- **Housing**
 - Front panel: Aluminum
 - Other panel: Steel
- **High Frequency Anti-Vibration Mechanism for HDD**
- **Inverter** INV-00630
- **Video A/D Board** BIEN_ZAN3
- **Membrane Keypad** 60 numerical keys
10 function keys
10 programmable keys
- **I/O Interface** 1 x PS/2 Keyboard (inside the open-able door on front panel) or side panel
1 x PS/2 Mouse (inside the open-able door on front panel)
2 x Front accessible USB ports
- **Cooling System** One 86 CFM fan
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C
- **Dimensions (W x H x D)** 482 x 266 x 310 mm (include Fan Cover)
- **Gross Weight** 11 kg

Passive Backplane

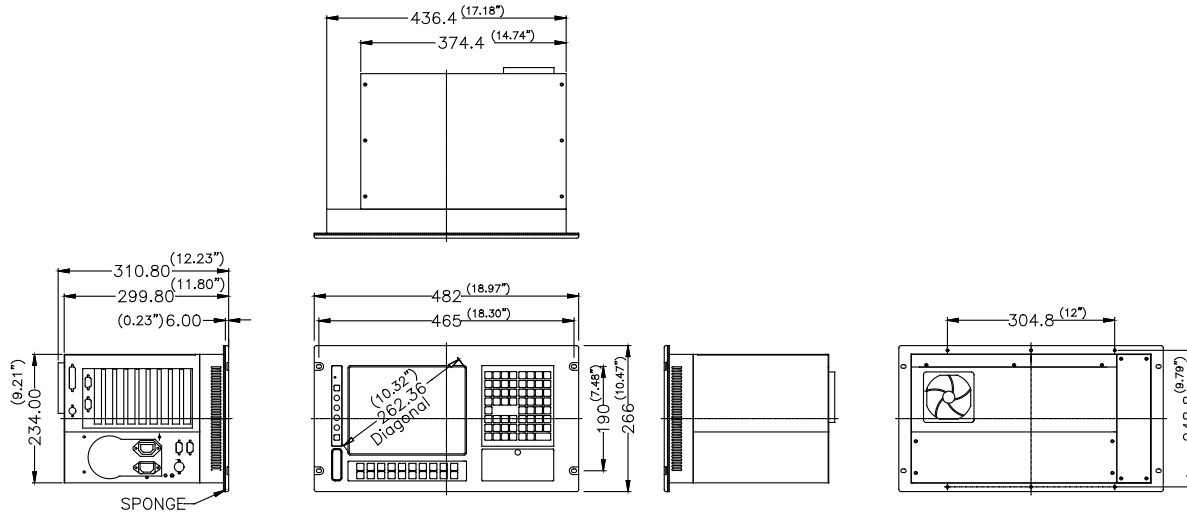
- **Backplane** 9 Extension Slots
PCA-6109P4: 1 CPU, 4 ISA, 4 PCI
PCA-6108P6: 1 CPU, 2 ISA, 6 PCI
- **CPU Compatibility** P4 Grade: 3.06 G
P3 Grade: 1.26 G
- **Power Supply** FSP250-60ATV
- **Certifications** CE, FCC, BSMI, CCC, UL

Ordering Information

- **AWS-8100GP4** 10.4" Workstation General Brightness TFT LCD /4 PCI Slots
- **AWS-8100GP6** 10.4" Workstation General Brightness TFT LCD /6 PCI Slots
- **AWS-8100GP4-R** 10.4" Workstation General Brightness TFT LCD/ Resistive Touch Screen/4 PCI Slots
- **AWS-8100GP6-R** 10.4" Workstation General Brightness TFT LCD/ Resistive Touch Screen/6 PCI Slots
- **AWS-8100GP4-CX** AWS-8100GP4 bundle with suggested CPU card (refer to No. 6 Table)
- **AWS-8100GP4-RCX** AWS-8100GP4-R bundle with suggested CPU card (refer to No. 6 Table)
- **AWS-8100GP6-CX** AWS-8100GP6 bundle with suggested CPU card (refer to No. 6 Table)
- **AWS-8100GP6-RCX** AWS-8100GP6-R bundle with suggested CPU card (refer to No. 6 Table)

Dimensions

Unit: mm



Cut out dimension 438.4 x 236 mm (17.26" x 9.29")

CPU Card Bundling Suggestion

Code	CPU Grade	Part No.	Description
C1	P4 (400/533/800 MHz FSB)	PCA-6187VE-00A1	Socket 478 Pentium® 4/Celeron® Processor card with VGA/Dual Gigabit LAN/HISA/SCSI (400/533/800 MHz FSB)
C2	P4 (400/533 MHz FSB)	PCA-6186VE-00A1	Socket 478 Pentium® 4/Celeron® Processor card with VGA/Dual Gigabit LAN/HISA (400/533 MHz FSB)
C3	P4 (400/533 MHz FSB)	PCA-6184VE-00A2	Socket 478 Pentium® 4/Celeron® Processor card with VGA/Dual Gigabit LAN/HISA (400/533 MHz FSB)
C4	P3 (133 MHz FSB)	PCA-6180E-00B1	Socket 370 Pentium® III/Celeron® Processor card with VGA/Dual LAN/SCSI/HISA (133 MHz FSB)

The extension model no. for above AWS-8100G products bundling with various CPU card, refer to the CPU card suggestion Table above.

Note: Other CPU cards not listed in this table will be treated as OEM/ODM case with T-P/N for easy-control and maintenance of product number.