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/I 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
- High frequency anti-vibration mechanism for HDD

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

General

- **Backplane**
  9 Extension Slots
  PCA-6109P4: 1 CPU, 4 ISA, 4 PCI
  PCA-6108P6: 1 CPU, 2 ISA, 6 PCI
- **Button Controls**
  60 operating keys
  10 function keys
  10 programmable keys
- **Certifications** BSMI, CCC, CE, FCC class A, UL
- **CPU Compatibility**
  P4 Grade: 3.06 GHz
  PIII Grade: 1.26 GHz
- **Connectors**
  1 x PS/2 keyboard (inside the door on front panel)
  1 x PS/2 mouse (inside the door on front panel)
  2 x front accessible USB ports
- **Cooling System** 1 x 86 CFM fan
- **Dimensions (WxHxD)** 482 x 266 x 310 mm (including fan cover)
- **Enclosure**
  Front panel: Aluminum
  Other: Steel
- **Inverter** INV-00630
- **Power Supply** FSP250-60ATV
- **Video A/D Board** BIEN_ZAN3
- **Weight (Gross)** 11 kg (24.2 lb)

LCD Display

- **Contrast Ratio** 500:1
- **Display Size** 10.4"
- **Display Type** SVGA TFT LCD
- **Luminance** 230 cd/m²
- **Max. Resolution** 800 x 600
- **Max. Colors** 262 K
- **Viewing Angle (H/V°)** 120/100

Environment

- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C

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)
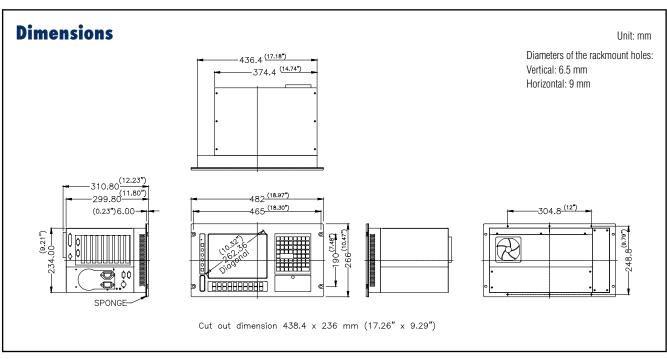
Dimensions

Unit: mm

Diameters of the rackmount holes:
Vertical: 6.5 mm
Horizontal: 9 mm

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

1 Software
2 IPPC
3 TPC
4 FPM
5 ATM & AWS
6 DA&C
7 cPCI
8 ADAM-3000
9 Motion Control
10 ICOM
11 Industrial Networking
12 UNO
13 ADAM-4000
14 ADAM-5000
15 ADAM-6000
16 ADAM-8000
17 BAS

CPU Card Suggestions

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)

For the extension model number for above AWS-8100G products bundled with various CPU cards, 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.