

Industrial Automation Platform

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Industrial Automation Platform Selection Guide

Product Series		AWS-8259	AWS-8248V	AWS-8430	AWS-8420
Brief Description		Modular Workstation (2-Piece Design)	Cost-Effective Modular Workstation	Compact Workstation with 8-slot Backplane	Workstation with 8 expansion slots
LCD Display	Diagonal	15"	15"	12.1"	12.1"
	Type	TFT Color LCD	TFT Color LCD	TFT Color LCD	TFT Color LCD
	Resolution	1024 x 768	1024 x 768	800 x 600	800 x 600
	Colors	262 K	262 K	262 K	262K
	Viewing Angle (H°, V°)	140, 120	140, 120	90, 40	90, 40
	Luminance(cd/m²)	300	300	100	100
	Backlight Lifetime	50,000 hours	50,000 hours	20,000 hours	20,000 hours
	Interface	VGA	VGA	3.3 V TTL	3.3 V TTL
	Other	Detachable display module	-	Default VGA Card; Brightness & On/Off VR Control	Default VGA Card; Brightness & On/Off VR Control
OSD (on screen display)		On Front Panel	On Front Panel	-	-
BackPlane	Slot Number	9	14	8	8
	CPU, PCI, ISA, PCI/ISA	1, 0, 8, 0 (AWS-8259T)	0, 0, 14, 0 (AWS-8248VT)	0, 0, 8, 0 (AWS-8430T)	0, 0, 8, 0 (AWS-8420T)
		1, 4, 4, 0 (AWS-8259TP)	1, 4, 9, 0 (AWS-8248VTP)	1, 2, 4, 0 (AWS-8430TP)	1, 3, 4, 0 (AWS-8420TP)
Storage Device	FDD (standard)	1	1	1	1
	HDD Housing	3.5" x 2	3.5" x 2	3.5" x 1	3.5" x 1
	CD-ROM (optional)	Slim Type (24X) x 1	Standard (24X) x 1	Slim Type (24X) x 1	Slim Type (24X) x 1
Key Pad	Data Entry Keys	39	39	60	60
	Function Keys	10	10	10	10
	Macro Function Keys	10	10	10	10
Touch Screen (Optional)		Analog Resistive	Analog Resistive	Analog Resistive	Analog Resistive
Power Supply (AC)		300 W	250 W	300 W	250 W
Front Panel Compliance		NEMA 4/IP65	NEMA 4/IP65	NEMA 4/IP65	NEMA 4/IP65
Operating Temperature		0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)
Storage Temperature		-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)
Certifications		CE,FCC, BSMI, CCC	CE,FCC, BSMI, CCC	CE,FCC, BSMI, CCC	CE,FCC, BSMI, CCC
Dimensions (W x H x D) (mm)		482 x 356 x 229 mm (19" x 14" x 9")	482 x 356 x 450 mm (19" x 14" x 17.7")	482 x 266 x 220 mm (19" x 10.5" x 8.7")	482 x 266 x 317 mm (19" x 10.5" x 12.5")
Weight		22 kg	25.5 kg	15.6 kg	17 kg
Model Number		AWS-8259TP	AWS-8248VTP	AWS-8430TP	AWS-8420TP
		AWS-8259T	AWS-8248VT	AWS-8430T	AWS-8420T
		AWS-8259TP-T	AWS-8248VTP-T	AWS-8430TP-T	AWS-8420TP-T
		AWS-8259T-T	AWS-8248VT-T	AWS-8430T-T	AWS-8420T-T
		Any model above can bundle with a CPU card	Any model above can bundle with a CPU card	Any model above can bundle with a CPU card	Any model above can bundle with a CPU card
CPU Card Suggestion		PCA-6187VE-001A, PCA-6184VE-00A1, PCA-6003H-00A1, PCA-6180E	PCA-6180E, PCA-6003H	PCA-6359V/6770F/6179L/ 6359VE/6179VE	PCA-6359V/6770F/6179L
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IPPC

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TPC

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FPM

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ATM & AWS

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DA&C

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cPCI

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ADAM-3000

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Motion Control

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ICOM

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eConnectivity

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UNO

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ADAM-4000

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ADAM-5000

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ADAM-6000

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ADAM-8000

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BAS

AWS-8100G	AWS-8124	PWS-1419	PWS-1409	ATM-4023	ATM-4233
Industrial Workstation	Mini Workstation	Ruggedized Portable Workstation	Portable Workstation	Industrial Automation Chassis	Industrial Automation Chassis
10.4"	12.1"	14.1"	14.1"	6.4"	6"
TFT Color LCD	TFT Color LCD	TFT Color LCD	TFT Color LCD	TFT Color LCD	TFT Color LCD
800 x 600	800 x 600	1024 x 768	1024 x 768	640 x 480	640 x 480
262K	262K	262K	262K	262K	262K
120, 100	90, 40	100, 55	80, 45	55, 15/35	120, 100
230	100	220	220	300	400
20,000 hours	20,000 hours	15,000 hours	15,000 hours	20,000 hours	50,000 hours
3.3V TTL	3.3V TTL	-	-	VGA	VGA
LCD backlight can be turned on/off	-	-	-	-	OSD control for Brightness adjustment & backlight
On Front Panel	-	-	-	Yes	on front panel
9	4	9	9	8	14
1, 4, 4, 0	0, 0, 4, 0 (AWS-8124T)	1, 0, 8, 0 (PWS-1419T)	1, 0, 8, 0 (PWS-1409T)	0, 8, 0 (front wire) (ATM-4023H8)	1, 10, 2 (ATM-4233N10)
1, 2, 6, 0	0, 4, 0, 0 (AWS-8124TP)	1, 4, 4, 0 (PWS-1419TP)	1, 4, 4, 0 (PWS-1409TP)	0, 0, 8 (front wire) (ATM-4023H0)	1, 4, 8 (ATM-4233N4)
1	1	1	1		
3.5" x 1	3.5" x 1	3.5" x 1	3.5" x 1	3.5" x 2	3.5" x 3
-	-	Slim Type (24X) x 1	Slim Type (24X) x 1	(optional)	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
Analog Resistive	Analog Resistive	N/A	N/A	N/A	N/A
250 W	80 W	200 W	200 W	250 W	250 W
NEMA 4/IP65	NEMA 4/IP65	N/A	N/A	N/A	N/A
-10 ~ 50° C (14 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	-8 ~ 60° C (18 ~ 140° F)	-8 ~ 60° C (18 ~ 140° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 40° C (32 ~ 104° F)
-20 ~ 70° C (-4 ~ 158 ° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 70° C (-4 ~ 158° F)
CE,FCC, BSMI, CCC, UL	CE,FCC, BSMI, CCC	CE,FCC, BSMI, CCC	CE,FCC, BSMI, CCC	CE,FCC, BSMI, CCC	CE, FCC, BSMI, CCC
482 x 266 x 310 mm (18.9" x 10.5" x 12.2")	344 x 260 x 152 mm (13.5" x 10.2" x 6")	421 x 282 x 230 mm (16.6" x 11.1" x 9.1")	400 x 320 x 200 mm (15.8" x 12.6" x 7.9")	482 x 173 x 265 mm (19" x 6.8" x 10.4")	482 x 173 x 450 mm (19" x 6.8" x 17.7")
11 kg	9.5 kg	12 kg	9 kg	12 kg	18 kg
AWS-8100GP4	AWS-8124TP	PWS-1419TP	PWS-1409TP	ATM-4023H0-25Z	ATM-4233N10-25Z
AWS-8100GP4-R	AWS-8124T	PWS-1419T	PWS-1409T	ATM-4023H8-25Z	ATM-4233N4-25Z
AWS-8100GP6	AWS-8124TP-T				
AWS-8100GP6-R	AWS-8124T-T				
Any model above can bundle with a CPU card	Any model above can bundle with a CPU card			Any model above can bundle with a CPU card	Any model above can bundle with a CPU card
PCA-6187VE/VE-00A1, PCA-6186VE-00A1, PCA-6184VE-00A2, PCA-6180E-00B1	PCA-6751/6770/6771			PCI-6872F-00A1, PCI-6870F-00A1, PCA-6774-02A1	PCA-6187VE-00A1, PCA-6003VE-00A1, PCA-6004VE-00A1
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ATM-4023

8-slot Industrial Automation Chassis with 6.4" LCD/4U, Front-access & Wiring



Features

- 4U height 19" rackmount chassis with 6.4" TFT LCD display
- High-brightness color TFT LCD panel: 300 nits
- VGA resolution: 640 x 480
- Integrated with Video A/D Board with VGA input
- 8-slot expansion passive backplane for half-sized card (8 PCI or 8 ISA)
- Front accessible, easy maintenance CD-ROM Drawer (Option)
- Front accessible USB, PS/2 Keyboard and Mouse I/O interface for easy plug-in
- OSD Menu Control for Brightness adjustment
- Automation testing platform suitable for test & measurement equipment, transportation control stations, and industrial control

Introduction

ATM-4023 features a revolutionary design that fits versatile application integration. This 4U height 8-slot IPC chassis includes an 8 expansion slots passive backplane, 6.4" high-brightness TFT color LCD display, 5 function keys, 5 cursor keys, and an optional slim type CD-ROM drawer. The front-accessible wiring design also ensures easy maintenance. Various mounting kits, including a rackmounting and desktop kit are designed to fit different applications.

ATM-4023 is targeted as an automation testing platform, for test and measurement equipment, transportation control stations, and industrial control.

Specifications

- Drive Bay** Front-accessible 3.5" CD-ROM x 2, slim type CD-ROM Drawer (Option) x 1
- Cooling** 61.8 CFM/each cooling fan, easy maintenance

Environment Specifications

- Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- Storage Temperature** -40~75° C (-40~167° F)
- Humidity** 10 ~ 95 % @ 40° C, non-condensing
- Operating Vibration** 1 grms (5~500 Hz) (random)
- Non-Operating Vibration** 2 g (5~500 Hz) (sine)
- Package Vibration** 2.16 grms (5~500 Hz)
- Acoustic Noise** Less than 52 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)
- Altitude** 0 ~ 3048 m (0 ~ 10,000 ft)
- Dimensions (W x H x D)** 482 x 173 x 265 mm (19" x 6.8" x 10.4")
- Weight** 12 kg (26.4 lb)
- Compliance** CE, FCC, CCC, BSMI

Power Supply

Model Name	Specifications				
	Watt	Input	Output	Mini-load	Safety
P1A-6250P	250 W	100/240 V _{AC} 6-3A 50/60 Hz	+5 V @ 24 A +3.3 V @ 20 A +12 V @ 12 A -12 V @ 1 A -5 V @ 0.5 A +5 Vsb @ 1.5 A	+5 V @ 3 A +12 V @ 2 A +3.3 V @ 1 A	UL 1950, CSA 22.2 NO/ 950, TUV IEC 950FCC CLASS B, CISPR22 CLASS B

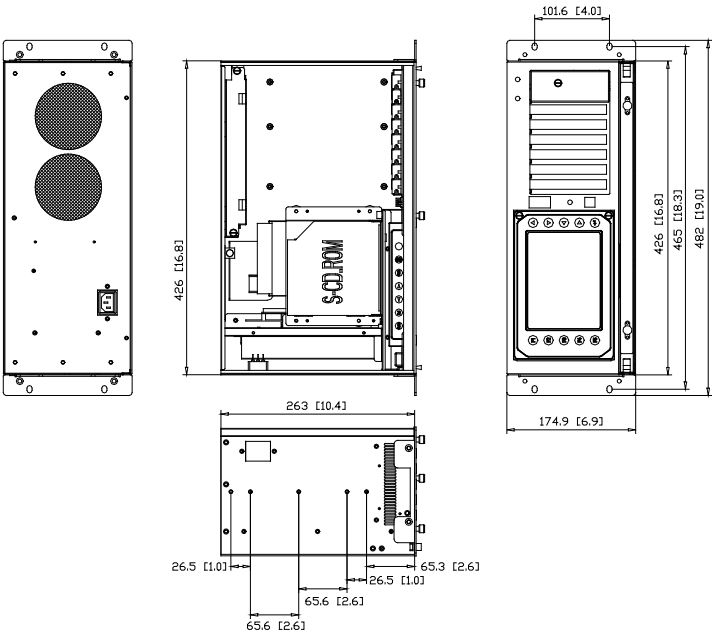
Ordering Information

- ATM-4023H0-2Z** 8 ISA slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/ PCA-6108E (rev.C1) / 250 W
- ATM-4023H8-2Z** 8 PCI slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/PCA-6108P8 (rev.A1) / 250 W
- ATM-4023H8-A1** 8 PCI slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/PCA-6108P8 (rev.A1) / PCI-6872F-00A1 (PIII)/250 W
- ATM-4023H8-A2** 8 PCI slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/PCA-6108P8 (rev.A1) / PCI-6870F-00A1 (PIII)/250 W
- ATM-4023H0-B1** 8 ISA slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/ PCA-6108E (rev.C1) / PCA-6774F-02A1 (PIII)/250 W
- ATM-4023H0-B2** 8 ISA slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/ PCA-6108E (rev.C1) / PCA-6751-F0B2 (P266) /250 W
- PCA-6872F-00A1** PCI Socket 370 Slot PC, VGA/LCD/LVDS/LAN/CFC
- PCA-6870F-00A1** PCI Socket370 815E Slot PC VGA/82562/AUDIO/CFC2
- PCA-6774-02A1** ISA Socket 370 Slot PC with VGA/LCD/LAN/CFC

ATM-4023

Dimensions

Unit: mm



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

eConnectivity

12

UNO

13

ADAM-4000

14

ADAM-5000

15

ADAM-6000

16

ADAM-8000

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BAS

ATM-4233

4U 14-slot Industrial Automation Chassis with 6" LCD

NEW



Features

- 4U height 19" rackmount chassis with 6" TFT LCD display.
- Integrated Video A/D Board ensures CPU card compatibility up to Intel® Pentium® 4
- 14-slot expansion passive backplane
- Front accessible disk drive bays for easy installation of up to 3 vibration damped 5.25" drives
- OSD control for brightness adjustment
- Applicable for industrial automation control and monitoring
- Suitable for Automatic Testing Equipment and Production Line Testing
- High brightness color TFT LCD panel: 400 nits
- VGA resolution: 640 x 480
- Front accessible USB ports x 2, Power On/Off and reset bottom
- Telecom/Power station portal and platform for test & measurement equipment

Introduction

In response to customer requests, and to increase overall product performance and competitiveness in the current IPC market, ATM-4233 is a new product based on the popular ACP-4001. ATM-4233 has been equipped with the following features and functions.

- New high brightness 6.4" color TFT LCD panel.
- Integrated Video A/D Board with VGA input.
- Compatible with CPU cards up to Intel Pentium 4
- New passive backplane: (2 options)

Specifications

- **Disk Drive Bay** 3 x vibration damped, front-accessed 5.25" bays.
- **Cooling Fan** Dual 90mm easy-to-replace high CFM cooling fans
- **Controls** Power On/Off Button in front panel (behind the lockable door)
Reset Button in front panel (behind the lockable door)
OSD: (On/Off, Menu, Select, Auto, Right, Left)
- **Display** 6" TFT LCD display and membrane control interface on both sides
- **Connectors** Front access USB x 2; 1 x 6-pin PS/2 keyboard port and 1 x 6-pin PS/2 mouse port (front Panel), 6-pin PS/2 keyboard port for external connection (rear panel).
- **Front Panel & Lockable Door** Aluminum ionized anti-scratch protection.
An accessible air filter is located behind the door.
- **External LED Indicator** 1 x system power, 1 x HDD data access
- **Dimension (W x H x D)** 482 x 173 x 450 mm (19" x 6.8" x 17.7")
- **Weight** 18 kg (35.2 ~ 39.6 lb)
- **Paint Color** Pantone 4C 2X black, textured
- **Operating Temperature** 0 ~ 40° C (32 ~ 104° F),
- **Storage Temperature** -40 ~ 75° C (-40 ~ 167° F)
- **Relative Humidity** 10 ~ 95% @ 40° C, non-condensing
- **Vibration (Operating)** 5 ~ 500 Hz, 1 grms (Random)
- **Vibration (Storage)** 5 ~ 500 Hz, 2.16 grms (Random)
- **Altitude** 0 ~ 3048 m (0 ~ 10,000 ft)
- **Safety** CE, FCC, CCC and BSMI

LCD Display

- **Display Type** 6" TFT color LCD
- **Max. Resolution** 640 x 480
- **Max. Colors** 262 K
- **Luminance** 400 cd/m²
- **Viewing Angle** 120° (H), 100° (V)
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **OSD control for Brightness adjustment**
- **Backlight MTBF** 50,000 hours

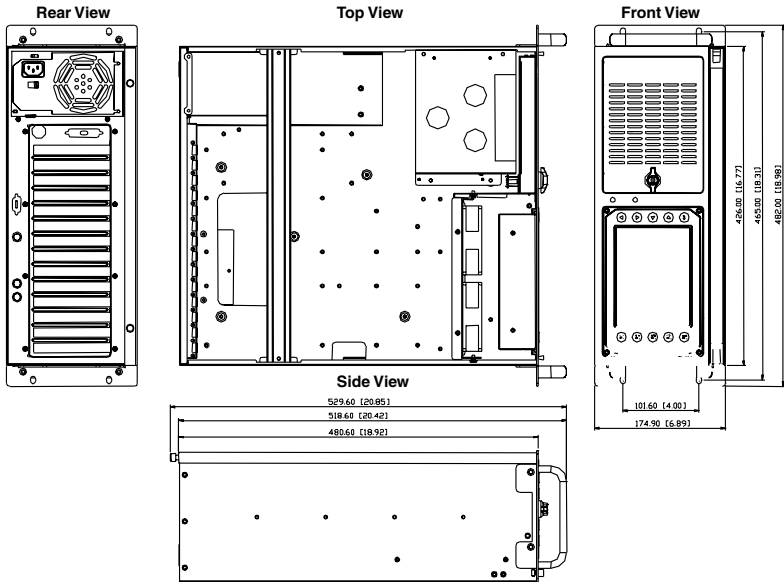
Backplane Options

- **PCA-6114P4-C** 8 ISA/4 PCI/2 PCIMG
- **PCA-6114P10-B** 2 ISA/10 PCI/2 PCIMG

ATM-4233

Dimensions

Unit: mm



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	eConnectivity
12	UNO
13	ADAM-4000
14	ADAM-5000
15	ADAM-6000
16	ADAM-8000
17	BAS

Ordering Information

- **ATM-4233N10-25Z** 14-slot(2 ISA/10 PCI/2 PCIMG) Industrial Automation platform with 6" LCD / 4U /Standard Size/Rear Wiring/ PCA-6114P10-B / 250W Power Supply
- **ATM-4233N10-C2** 14-slot (2 ISA/10 PCI/2 PCIMG) Industrial Automation platform with 6" LCD / 4U /Standard Size/Rear Wiring/ PCA-61114P10-B/ PCA-6004VE-00A1(C3 800MHz)/ 250W Power Supply
- **ATM-4233N10-C3** 14-slot (2 ISA/10 PCI/2 PCIMG) Industrial Automation platform with 6" LCD / 4U /Standard Size/Rear Wiring/ PCA-61114P10-B/ PCA-6003VE-00A1(PIII)/250W Power Supply
- **ATM-4233N10-C4** 14-slot (2 ISA/10 PCI/2 PCIMG) Industrial Automation platform with 6" LCD / 4U /Standard Size/Rear Wiring/ PCA-61114P10-B/ PCA-6187VE-00A1(P4 800 MHz FSB)/250W Power Supply
- **ATM-4233N4-25Z** 14-slot(8 ISA/4 PCI/2 PCIMG) Industrial Automation platform with 6" LCD /4U /Standard Size/Rear Wiring/ PCA-6114P4-C / 250W Power Supply
- **ATM-4233N4-C2** 14-slot (8 ISA/4 PCI/2 PCIMG) Industrial Automation platform with 6" LCD /4U/Standard Size/Rear Wiring/ PCA-61114P4-C/ PCA-6004VE-00A1(C3 800MHz)/ 250W Power Supply
- **ATM-4233N4-C3** 14-slot (8 ISA/4 PCI/2 PCIMG) Industrial Automation platform with 6" LCD /4U/Standard Size/Rear Wiring/ PCA-61114P4-C/ PCA-6003VE-00A1(PIII)/250W Power Supply
- **ATM-4233N4-C4** 14-slot (8 ISA/4 PCI/2 PCIMG) Industrial Automation platform with 6" LCD /4U/Standard Size/Rear Wiring/ PCA-61114P4-C/ PCA-6187VE-00A1(P4 800 MHz FSB)/250W Power Supply

AWS-8259

Modular Workstation with 15" LCD and 9 Expansion Slots



Features

- 15", 9-slot TFT LCD workstation
- Resolution: 1024 x 768
- Two-piece design: integrated or separated LCD panel & control chassis
- Built-in touch pad, USB port and floppy drive on front panel
- Designed for simple maintenance with hinged rear door for easy access
- Vibration protection up to 1 G
- IP65/NEMA 4, Aluminum front panel and stainless steel chassis

Introduction

The AWS-8259 is an industrial workstation with 8 slots 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 water-proof character keypads & touch pad 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

- **Front Panel** Aluminum, meets NEMA4/IP65
- **LCD Display Interface** VGA
- **Display Setting** OSD on front panel with back light On/Off switch
- **Disk Drive Housing** Supports one 3.5" FDD, one 3.5" HDD & one slim CD-ROM (HDD and CD-ROM optional)
- **Cooling System** One 86 CFM fan
- **Membrane Keypads** One with 39 operating keys, one with 10 function keys and 10 programmable macro function keys
- **Keyboard** 6-pin PS/2 keyboard connector with dust-protection door on front panel
- **Touch Pad Interface** PS/2 mouse
- **Indicators** LEDs for power on/off and HDD activity
- **Touchscreen (optional)** Analog resistive type with RS-232 controller
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Relative Humidity** 5 ~ 85% @ 40° C, non-condensing
- **Storage Temperature** -20 ~ 60° C
- **Storage Humidity** 5 ~ 95% non-condensing
- **Dimensions (W x H x D)** 482 x 356 x 229 mm (19.0" x 14.0" x 9")
- **Gross Weight** 22 kg (48 lb)
- **Certifications** CE, CCC, FCC, BSMI

Passive Backplane

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

Power Supply

AC input 300 W (standard offer)

- **Input** 90 ~ 135 V_{AC} or 180 ~ 265 V_{AC}, switchable
- **Output** +5 V @ 30 A; +12 V @ 15 A; +3.3 V @ 24 A
-5 V @ 0.3 A; -12 V @ 0.8 A; +5 V_{SB} @ 2 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TUV

LCD Display

- **Display Type** 15" XGA TFT LCD
- **Max. Resolution** 1024 x 768
- **Max. Colors** 262 K
- **Luminance** 300 cd/m²
- **Viewing Angle** 140° (H), 120° (V)
- **Operating Temperature** 0 ~ 50° C
- **Backlight Lifetime** 50,000 hours

Ordering Information

- **AWS-8259TP** 15" TFT, 4 ISA & 4 PCI & 1 CPU slots, 300 W 110/220 V AC power supply, 3.5" slim FDD
- **AWS-8259T** 15" TFT, 9 ISA slots, 300 W 110/220 V AC power supply, 3.5" slim FDD
- **AWS-8259TP-T** AWS-8259TP with resistive touchscreen (RS-232 interface)
- **AWS-8259T-T** AWS-8259T with resistive touchscreen (RS-232 interface)
- **CDR-8259-24x** Compact 24X CD-ROM

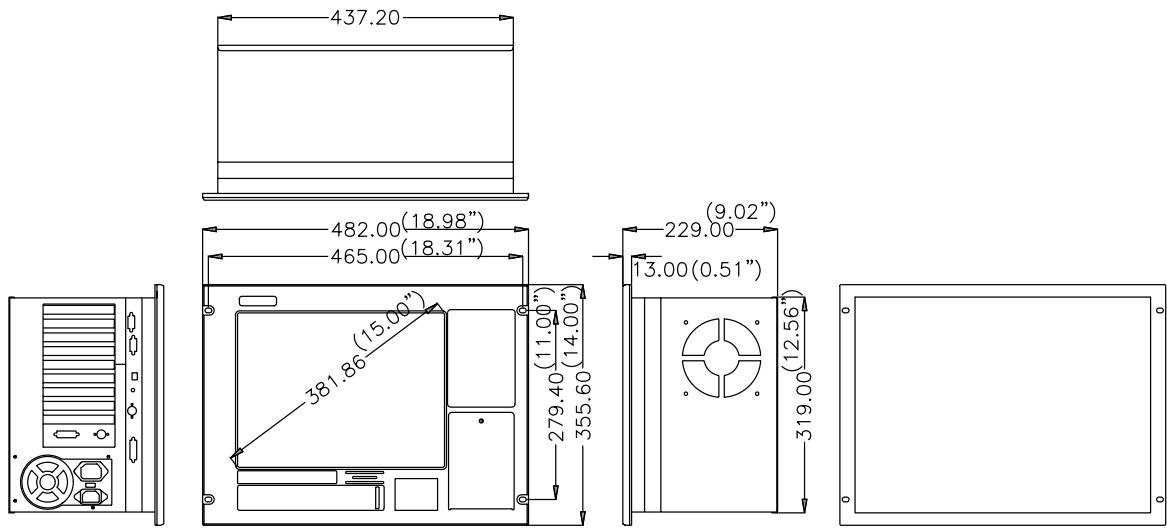
Optional PCI Fieldbus Card

- Supports CANopen, DeviceNet™ or PROFIBUS™ by request

AWS-8259

Dimensions

Unit: mm



Cut-out dimensions (W x H): 449 x 336 mm

Back View



Side View



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	eConnectivity
12	UNO
13	ADAM-4000
14	ADAM-5000
15	ADAM-6000
16	ADAM-8000
17	BAS

AWS-8430

Compact Workstation with 12.1" LCD & 8 Expansion Slots



Features

- 12.1" SVGA LCD display
- 8 ISA or 4 ISA / 2 PCI / 1 CPU backplanes available
- Front accessible FDD, Power switch and CD-ROM
- Only 220 mm in depth, easy to install in constrained environments
- Three cooling fans provide reliable working environment

Introduction

The AWS-8430 is a compact, high standard industrial workstation designed to meet the tough needs of PC-based industrial automation. With a depth of only 220 mm, it can be easily installed on a machinery platform. Three fans are equipped to keep the working environment cool and stable. Featuring a stainless steel back case, the system is tough and environmentally friendly. Two HDD bays make the system flexible for expansion, while the high resolution (800x600) SVGA TFT LCD provides all you need for high quality display needs.

Specifications

- **Front Panel** Aluminum (meets NEM4/IP65)
- **Construction** Heavy-duty stainless steel chassis
- **Disk Drive Housing** Supports one slim FDD, one 3.5" HDD & one slim CD-ROM (CD-ROM and HDD optional)
- **LCD Interface** 3.3 V TTL
- **VGA Card** PCA-6654LB, PCI-bus, 2 MB VRAM onboard (AWS-8430TP & AWS-8430TP-T only)
- **Cooling System** Two 49 CFM fans on rear panel, one in power supply
- **Membrane Keypads** One with 60 data-entry keys, one with 10 function keys and 10 programmable macro function keys
- **Keyboard/mouse Connector** 6 pin PS/2 connector with dust-protection door on front panel
- **Indicators** LEDs for power on/off and HDD activity
- **Touchscreen (optional)** Analog resistive type with RS-232 controller
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Relative Humidity** 5 ~ 85% @ 40° C, non-condensing
- **Storage Temperature** -20 ~ 60° C
- **Storage Humidity** 5 ~ 95% non-condensing
- **Dimensions (W x H x D)** 482 x 266 x 220 mm (19.0" x 10.5" x 8.7")
- **Certifications** CE, CCC, FCC, BSMI compliant
- **Gross Weight** 15.6 kg (34.4 lb)
- **Vibration (operation)** 5 ~ 500 Hz 1 grms Random Vibration

Passive Backplane

- **PCA-6107P2** 4 ISA, 2 PCI, 1 CPU slots
- **PCA-6108C** 8 ISA slots

Power Supply Options

AC input 300 W (standard offer)

- **Input** 90 ~ 135 V_{AC} or 180 ~ 265 V_{AC}, switchable
- **Output** +5 V @ 30 A; +12 V @ 15 A; +3.3 V @ 24 A
-5 V @ 0.3 A; -12 V @ 0.8 A; +5 VSB @ 2 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV

48 V_{DC} input 310 W (ODM offer)

- **Input** -38 ~ -58 V_{DC}
- **Output** +5 V @ 25 A; +12 V @ 10 A; -5 V @ 1 A; -12 V @ 5 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV

24 V_{DC} input 250 W (ODM offer)

- **Input** 19 ~ 32 V_{DC}
- **Output** +5 V @ 25 A; +12 V @ 10 A; -5 V @ 1 A; -12 V @ 1 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV

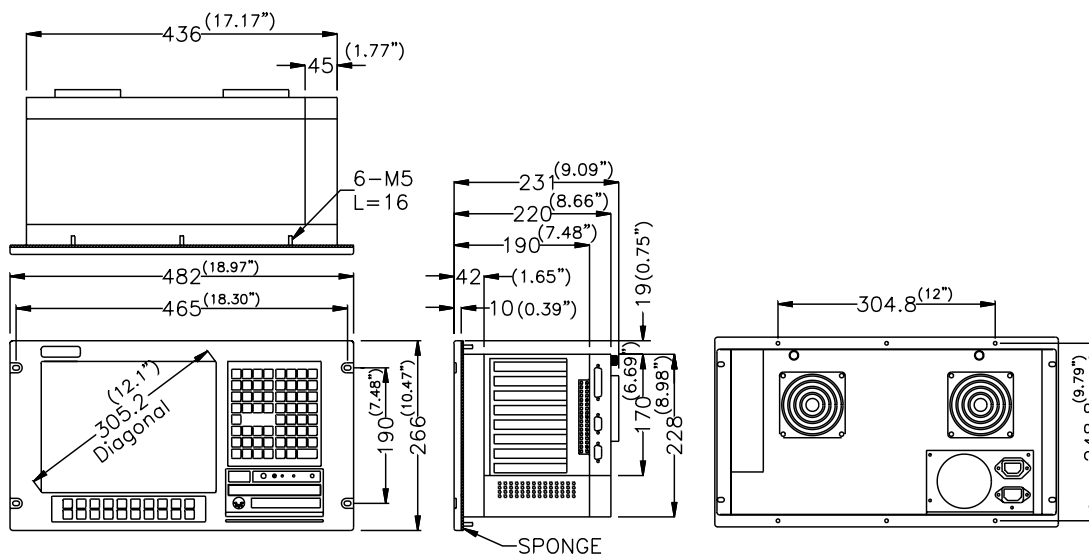
LCD Display

- **Display Type** 12.1" TFT color LCD
- **Max. Resolution** 800 x 600
- **Max. Colors** 262 K
- **Luminance** 100 cd/m²
- **Viewing Angle** 90° (H), 40° (V)
- **Operating Temperature** 0 ~ 50° C
- **VR Control** Brightness & ON/OFF
- **Backlight MTBF** 20,000 hours
- **Default VGA card** PCA-6654LB (TP only)

AWS-8430

Dimensions

Unit: mm



Cut-out dimensions (W x H): 442 x 234 mm (17.4" x 9.2")

Ordering Information

- AWS-8430TP** 12.1" SVGA TFT LCD, 4 ISA & 2 PCI slots, 300 W 110/220 V_{AC} power supply, 3.5" Slim FDD, PCA-6654LB PCI VGA card
- AWS-8430T** 12.1" SVGA TFT LCD, 8 ISA slots, 300 W 110/220 V_{AC} power supply, 3.5" Slim FDD, without VGA card
- AWS-8430TP-T** AWS-8430TP with resistive touchscreen (RS-232 interface)
- AWS-8430T-T** AWS-8430T with resistive touchscreen (RS-232 interface)
- AWS-8430T-C1** AWS-8430T bundle PCA-6359V CPU card
- AWS-8430TP-C1** AWS-8430TP bundle PCA-6359V CPU card
- AWS-8430T-C2** AWS-8430T bundle PCA-6770F CPU card
- AWS-8430TP-C2** AWS-8430TP bundle PCA-6179L CPU card
- AWS-8430T-C3** AWS-8430T bundle PCA-6359VE CPU card
- AWS-8430TP-C3** AWS-8430TP bundle PCA-6359VE CPU card
- AWS-8430TP-C4** AWS-8430TP bundle PCA-6179VE CPU card
- AWS-8430T-TC1** AWS-8430T-T bundle PCA-6359V CPU card
- AWS-8430TP-TC1** AWS-8430TP-T bundle PCA-6359V CPU card
- AWS-8430T-TC2** AWS-8430T-T bundle PCA-6770F CPU card
- AWS-8430TP-TC2** AWS-8430TP-T bundle PCA-6179L CPU card
- CDR-842-0024** Slim 24X CD-ROM kit with support bracket

Back View



Optional PCI Fieldbus Card

- Supports CANopen, DeviceNet™ or PROFIBUS™ by request

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
eConnectivity

12
UNO

13
ADAM-4000

14
ADAM-5000

15
ADAM-6000

16
ADAM-8000

17
BAS

AWS-8420

Workstation with 12.1" LCD & 8 Expansion Slots



Features

- 8 ISA or 4 ISA, 3 PCI, 1 CPU slot combined backplanes
- Case dimensions (W x L x H): 77.5 x 179.5 x 41.5 mm (3.1" x 7.1" x 1.6")
- Front accessible FDD, Power switch and CD-ROM
- NEMA4/IP65 compliant front panel
- Optional analog resistive touchscreen

Introduction

The AWS-8420 is a PC-based industrial workstation with an industrial grade 12.1" color TFT LCD display. The AWS-8420 is specifically designed for use within factories and other harsh industrial environments. This 19" frame can be rack mounted or panel mounted. The AWS-8420 provides 8 PCI/ISA slots, which offers great flexibility for application-specific requirements.

Specifications

- **Front Panel** Aluminum, meets NEMA4/IP65
- **Disk Drive Housing** Supports one slim FDD, one 3.5" HDD & one slim CD-ROM (HDD and CD-ROM optional)
- **LCD Interface** 3.3 V TTL
- **VGA Card** PCA-6654LB, PCI-bus, 2 MB VRAM onboard (AWS-8420TP & AWS-8420TP-T only)
- **Compatible CPU Cards** PCA-6751 and PCA-6770 (for 8420T)
- **Cooling System** One 49 CFM fan on rear panel
- **Membrane Keypads** One with 60 data-entry keys, one with 10 function keys and 10 programmable macro function keys
- **Keyboard/mouse Connector** 6-pin PS/2 connector with dust-protection door on front panel
- **Indicators** LEDs for power on/off and HDD activity
- **Touchscreen (optional)** Analog resistive type with RS-232 controller
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Relative Humidity** 5 ~ 85% @ 50° C, non-condensing
- **Storage Temperature** -20 ~ 60° C
- **Storage Humidity** 5 ~ 95% non-condensing
- **Dimensions (W x H x D)** 482 x 266 x 317 mm (19.0" x 10.5" x 12.5")
- **Gross Weight** 17 kg (37.5 lb)
- **Certifications** CE, FCC, BSMI, CCC compliant

Passive Backplane

- **PCA-6108P3** 4 ISA, 3 PCI, 1 CPU slot
- **PCA-6108** 8 ISA slot

Power Supply Options

AC input 250 W (standard offer)

- **Input** 90 ~ 135 V_{AC} or 180 ~ 265 V_{AC} switchable
- **Output** +5 V @ 25 A; +12 V @ 8 A; +5 VSB @ 1 A
-5 V @ 0.5 A; -12 V @ 0.8 A; +3.3 V @ 14 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV/CCIB

48 V_{DC} input 310 W (option offer)

- **Input** -38 ~ -58 V_{DC}
- **Output** +5 V @ 25 A; +12 V @ 10 A; -5 V @ 1 A; -12 V @ 5 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV

24 V_{DC} input 250 W (option offer)

- **Input** 19 ~ 32 V_{DC}
- **Output** +5 V @ 25 A; +12 V @ 10 A; -5 V @ 1 A; -12 V @ 1 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV

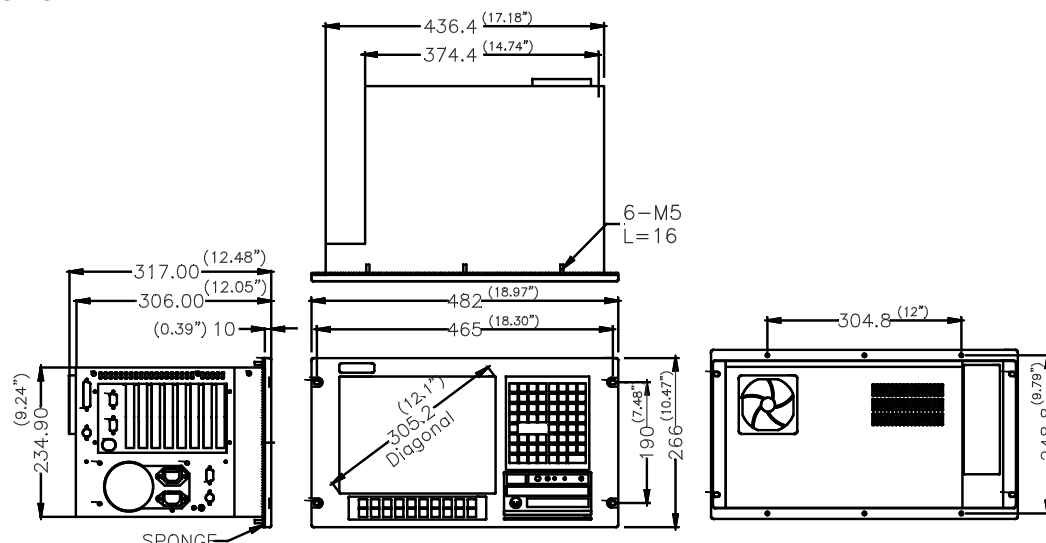
LCD Display

- **Display Type** 12.1" TFT color LCD
- **Max. Resolution** 800 x 600
- **Max. Colors** 262 K
- **Luminance** 100 cd/m²
- **Viewing Angle** 90° (H), 40° (V)
- **Operating Temperature** 0 ~ 50° C
- **VR Control** Brightness & ON/OFF
- **Backlight MTBF** 20,000 hrs
- **Default VGA card** PCA-6654LB (TP & TP-T only)

AWS-8420

Dimensions

Unit: mm



Cut-out dimensions: 445 x 240 mm

(17.52" x 9.45")

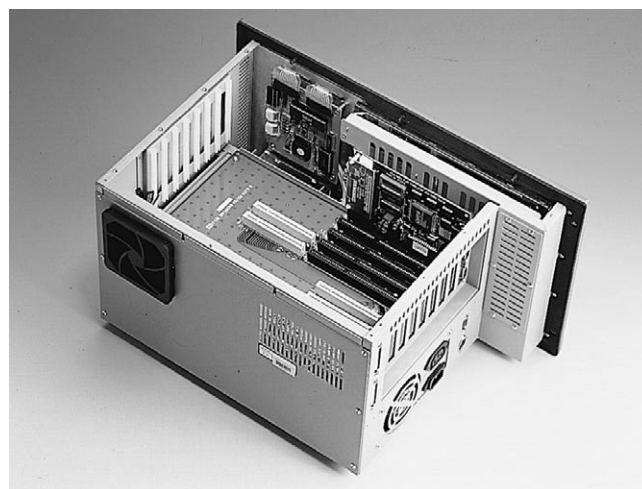
Ordering Information

- **AWS-8420TP** 12.1" TFT, 4 ISA & 3 PCI slots, 250 W 110/220 VAC power supply, 3.5" slim FDD, PCA-6654LB PCI VGA card
- **AWS-8420T** 12.1" TFT, 8 ISA slots, 250 W 110/220 VAC power supply, 3.5" slim FDD, without VGA card
- **AWS-8420TP-T** AWS-8420TP with resistive touchscreen (RS-232 interface)
- **AWS-8420T-T** AWS-8420T with resistive touchscreen (RS-232 interface)
- **AWS-8420T-C1** AWS-8420T bundle PCA-6359V CPU card
- **AWS-8420TP-C1** AWS-8420TP bundle PCA-6359V CPU card
- **AWS-8420T-C2** AWS-8420T bundle PCA-6770F CPU card
- **AWS-8420TP-C2** AWS-8420TP bundle PCA-6179L CPU card
- **AWS-8420T-TC1** AWS-8420T-T bundle PCA-6359V CPU card
- **AWS-8420TP-TC1** AWS-8420TP-T bundle PCA-6359V CPU card
- **AWS-8420T-TC2** AWS-8420T-T bundle PCA-6770F CPU card
- **AWS-8420TP-TC2** AWS-8420TP-T bundle PCA-6179L CPU card
- **CDR-842-0024** Slim 24X CD-ROM kit

Optional PCI Fieldbus Card

- Supports CANopen, DeviceNet™ or PROFIBUS™ by request

Top View



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
eConnectivity

12
UNO

13
ADAM-4000

14
ADAM-5000

15
ADAM-6000

16
ADAM-8000

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BAS

AWS-8248V

Cost-effective Modular 15" TFT LCD Workstation with 14 Expansion Slots



Features

- Cost-effective 14-slot, 15" TFT LCD workstation, and resolution of 1024 x 768
- Three card-cage design: easy to maintain add-on cards, CPU card and power supply.
- Two 3.5" HDDs with mobile rack drive & CD-ROM drive in back of chassis
- Equipped with on-screen display (OSD) operation keypad on the front panel
- NEMA4/IP65, aluminum panel

Introduction

The AWS-8248V is a 14-slot, 15" TFT LCD workstation. It improves on earlier models by offering more expansion capability, a larger LCD screen, and increased usability, all at an even more competitive price. The AWS-8248V also provides an additional major feature for users: easy maintenance. Using three card-cages and thumbscrew fasteners, the AWS-8248V makes maintenance quick and easy. The AWS-8248V combines multiple slots and 15" LCD in a more cost effective and easier to maintain design.

Specifications

- **Front Panel** Aluminum, meets NEMA4/IP65 standard
- **Disk Drive Housing** Supports one 3.5" FDD, two 3.5" HDD and one 3.5" CD-ROM (HDD and CD-ROM optional)
- **Two Cooling Fans** 32 CFM fan for power supply, 36 CFM fan for plug-in cards
- **Membrane Keypads** One with 39 operating keys, one with 10 function keys and 10 programmable macro function keys, on screen display (OSD) operation keys
- **Keyboard Connector** 5-pin DIN connector on both front panel and rear panel
- **Controls** Reset and power on/off
- **Indicators** LEDs for power on/off and HDD activity
- **Touchscreen (optional)** Analog resistive type with RS-232 interface
- **Dimensions (W x H x D)** 482 x 356 x 450 mm (19.0" x 14.0" x 17.7")
- **Gross Weight** 25.5 kg (56.2 lb)
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -40 ~ 60° C
- **Storage Humidity** 5 ~ 95% non-condensing
- **Vibration (operation)** 5 ~ 17 Hz, double-amplitude displacement
17 ~ 500 Hz, 1.0 G peak to peak
- **Certifications** CE, FCC, CCC, BSMI compliant

LCD Display

- **Display Type** 15" TFT LCD
- **Max. Resolution** 1024 x 768
- **Max. Colors** 262 K
- **Luminance** 300 cd/m2
- **Viewing Angle** 140° (H), 120° (V)
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Backlight MTBF** 50,000 hrs
- **Interface** Direct VGA
- **Display Setting** OSD

Power Supply

AC input 250 W (standard offer)

- **Input** 90 ~ 135 V AC or 180 ~ 265 V AC, switchable
- **Output** +5 V @ 25 A; +12 V @ 8 A; +5 VSB @ 1 A
-5 V @ 0.5 A; -12 V @ 0.8 A; +3.3 V @ 14 A
- **MTBF** 100,000 hours
- **Safety** UL/CSA/TÜV

Ordering Information

- **AWS-8248VTP** 15" TFT LCD, 4 PCI, 9 ISA, 1 CPU slot, 250 W 110/220 V_{AC} power supply, 3.5" FDD
- **AWS-8248VT** 15" TFT LCD, 14 ISA slots, 250 W 110/220 V_{AC} power supply, 3.5" FDD
- **AWS-8248VTP-T** AWS-8248VTP with resistive touchscreen (RS-232 interface)
- **AWS-8248VT-T** AWS-8248VT with resistive touchscreen (RS-232 interface)
- **AWS-8248VT-C1** AWS-8248VT bundle PCA-6003H CPU card
- **AWS-8248VTP-C1** AWS-8248VTP bundle PCA-6003H CPU card
- **AWS-8248VT-C2** AWS-8248VT bundle PCA-6180E CPU card
- **AWS-8248VTP-C2** AWS-8248VTP bundle PCA-6180E CPU card
- **AWS-8248VT-TC1** AWS-8248VT-T bundle PCA-6003H CPU card
- **AWS-8248VTP-TC1** AWS-8248VTP-T bundle PCA-6003H CPU card
- **AWS-8248VT-TC2** AWS-8248VT-T bundle PCA-6180E CPU card

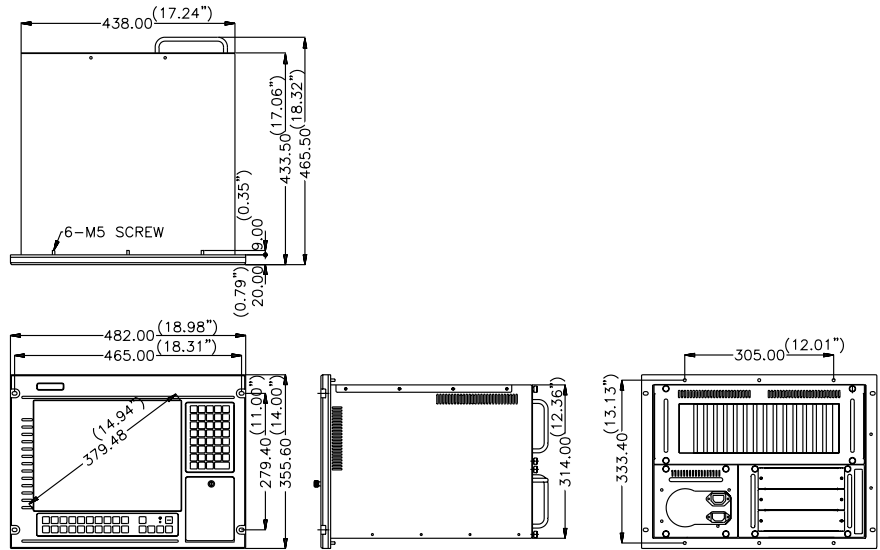
Optional PCI Fieldbus Card

- Supports CANopen, DeviceNet™ or PROFIBUS™ by request

AWS-8248V

Dimensions

Unit: mm



Cut-out dimensions: 450 x 326 mm (17.72" x 12.83")

Feature Details

Easy-to-maintain: three card-cage and thumbscrew fasteners

The AWS-8248V's "work drawer" designed card cage conveniently slides out for easy access. These three card-cages allow add-on cards, HDD/CD-ROMs and power supplies to be easily changed or added. It only takes a few minutes to service the unit, saving time and money while reducing downtime. The thumbscrew fasteners make access fast and easy, speeding maintenance procedures.

Easy Access Control Panel

Users can easily access the AWS-8248V's controls from the front of the unit via a sturdy protective door. Controls include LEDs and switches for power and system reset, as well as an OSD in front. The front panel also holds a 3.5" 1.44 MB FDD. The aluminum door protects controls from the environment. The door has a waterproof foam-rubber seal and retaining hand screw to securely hold it closed. In addition, the door offers protection against accidental operation of the unit's controls.

Ruggedized Design Meets Harsh Environment Needs

In addition, the AWS-8248V also features many powerful functions that meet or exceed industrial-grade requirements. The front panel is made of aluminum, which prevents the panel from being damaged by acid, salt and other elements. The unit is also waterproof and NEMA4/IP65 compliant. The AWS-8248V provides three mounting configurations: 19" rack mount, panel mounting and desktop.

Back View



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	eConnectivity
12	UNO
13	ADAM-4000
14	ADAM-5000
15	ADAM-6000
16	ADAM-8000
17	BAS

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

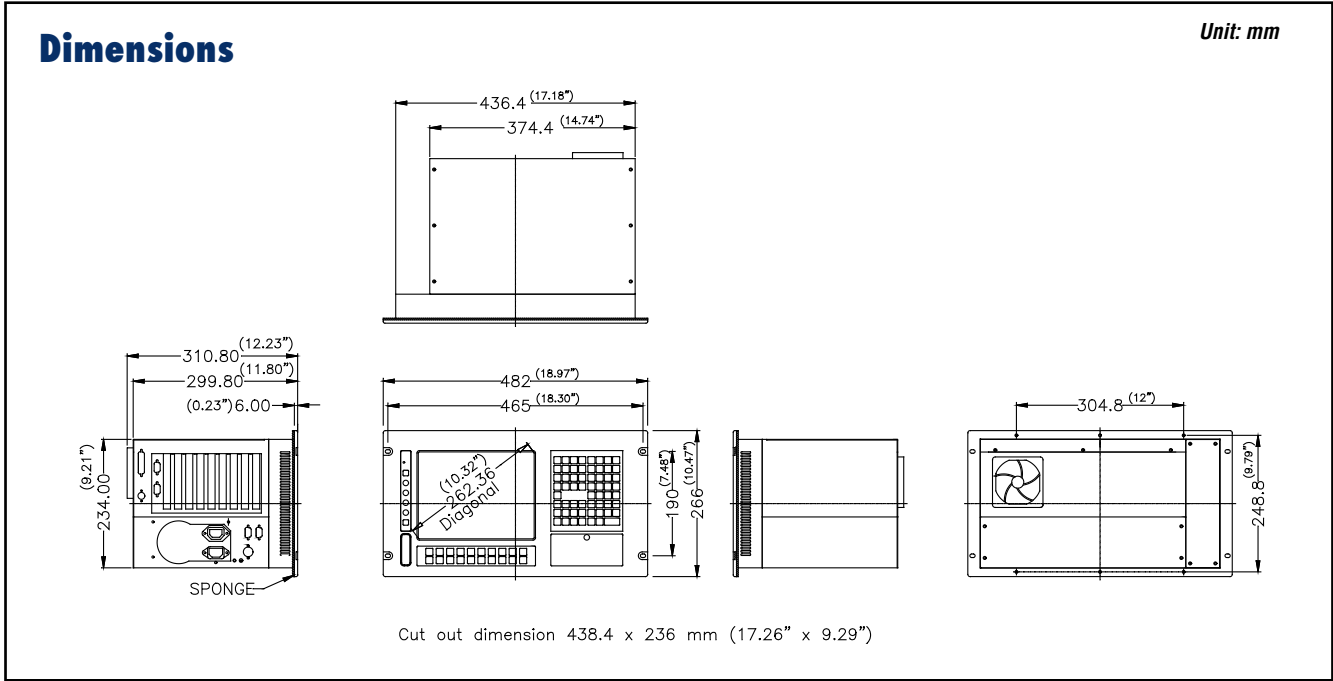
Passive Backplane

- **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)

AWS-8100G



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.

AWS-8124

Mini Workstation with 12.1" LCD & 4 Expansion Slots



Features

- 12.1" Color TFT LCD
- 4 Slot Backplane
- Compact Size
- NEMA4 / IP65 compliant front panel
- Optional Resistive Touchscreen

Introduction

The AWS-8124 PC-based mini workstation is a compact unit that meets the requirements of human-machine interfaces. Its half-sized, four slot backplane provides a space-saving and economical solution for industrial control. At only 6" in depth, this system can be used in the tight spaces around machinery. Equipped with an optional touchscreen, it can even be used as a controlling interface. Mounted in an airplane, vehicle or machine platform, this mini workstation is designed to fit where others can't.

Specifications

▪ Front Panel	Aluminum, meets NEMA4/IP65
▪ Disk Drive Housing	Holds one 3.5" FDD and one 3.5" HDD (HDD optional)
▪ Cooling System	One 32.8 CFM fan on side
▪ Slots	4 ISA slots (8124T), 4 PCI slots (8124TP)
▪ LCD Interface	3.3 V TTL
▪ Compatible CPU Card	PCA-6751/6752/6770 (for 8124T)
▪ Operating Temperature	0 ~ 50° C (32 ~ 122° F)
▪ Relative Humidity	5 ~ 95% @ 40° C (non-condensing)
▪ Vibration (Operating)	5 ~ 500 Hz 0.5G RMS Random Vibration
▪ Dimension (W x H x D)	344 x 260 x 152 mm (13.5" x 10.2" x 6.0")
▪ Gross Weight	9.5 kg (21 lb)
▪ Certifications	CE, CCC, FCC, BSMI

Power Supply Options

AC input 80 W (Standard offer)

▪ Input	100 V _{AC} /3 A ~ 240 V _{AC} /1.2 A @ 47 ~ 63 Hz
▪ Output	+5 V @ 12 A, +12 V @ 1.0 A
▪ MTBF	200,000 hours
▪ Safety	UL/CSA/CE
▪ EMI	FCC Class B

DC input 80 W (Option offer)

▪ Input	24 V _{DC} /7 A ~ 48 V _{DC} /4 A or 12 V _{DC} /12 A
▪ Output	+5 V @ 10 A, +12 V @ 1.5 A, -12 V @ 0.5 A
▪ MTBF	200,000 hours
▪ Safety	UL/CSA
▪ EMI	FCC Class B

Touchscreen (Optional)

▪ Type	Analog resistive, continuous resolution
▪ Light Transmission	72%

▪ Controller	RS-232 interface
▪ Power Consumption	+5 V @ 200 mA
▪ Durability	100 million touch lifetime
▪ Software Driver	Supports DOS, Windows® 3.1/95/98/NT/2000, Linux
▪ Display Type	12.1" SVGA TFT LCD"
▪ Resolution	800 x 600
▪ Max. Colors	262 K
▪ Viewing Angle	90° (H), 40° (V)
▪ Luminance	100 cd/m ²
▪ Backlight MTBF	20,000 hrs
▪ Operating Temperature	0 ~ 50° C (32 ~ 122° F)
▪ Storage Temperature	-20 ~ 60° C

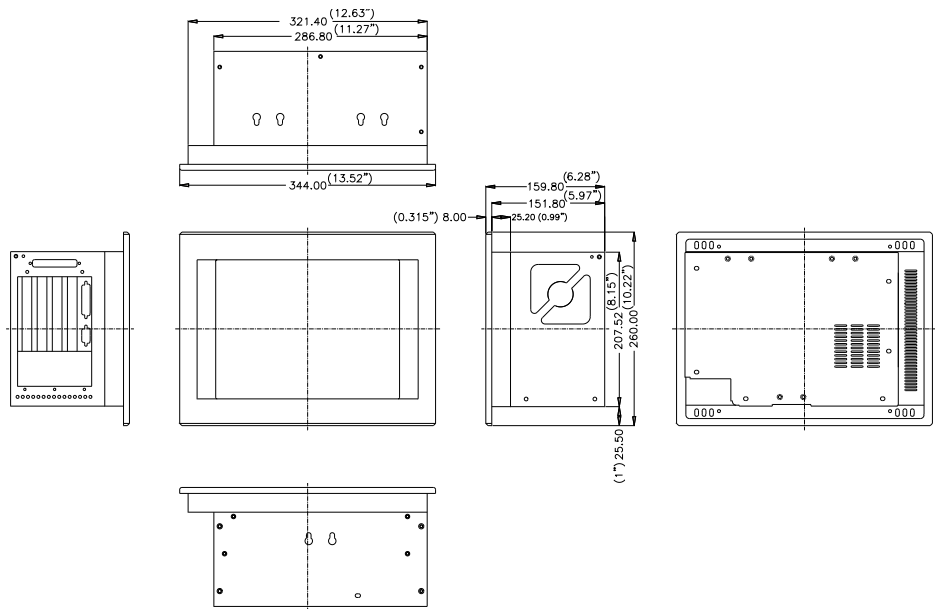
Ordering Information

▪ AWS-8124T	12.1" TFT LCD, 4 ISA slot backplane, 3.5" FDD, 80 W AC power supply
▪ AWS-8124T-T	AWS-8124T with resistive touchscreen (RS-232 interface)
▪ AWS-8124TP	12.1" TFT LCD, 4 PCI slot backplane, 3.5" FDD, 80 W AC power supply
▪ AWS-8124TP-T	AWS-8124TP with resistive touchscreen (RS-232 interface)
▪ AWS-8124T-C1	AWS-8124T bundle PCA-6751 CPU card
▪ AWS-8124T-C2	AWS-8124T bundle PCA-6770F CPU card
▪ AWS-8124T-TC1	AWS-8124T-T bundle PCA-6751 CPU card
▪ AWS-8124T-TC2	AWS-8124T-T bundle PCA-6770F CPU card

AWS-8124

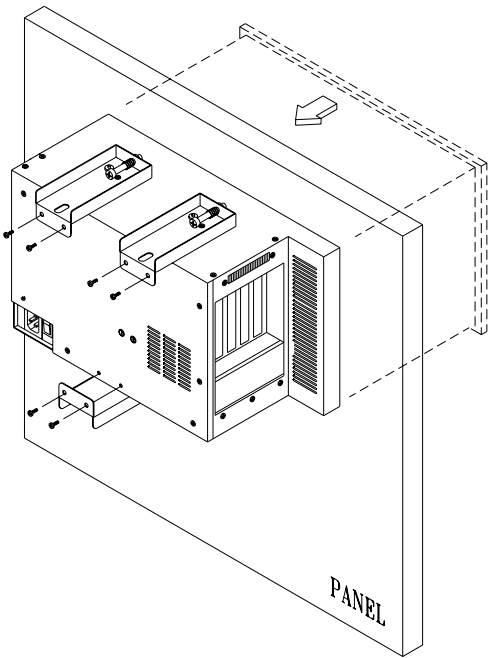
Dimensions

Unit: mm



Cut-out dimension: 327 x 213 mm (12.87" x 8.39")

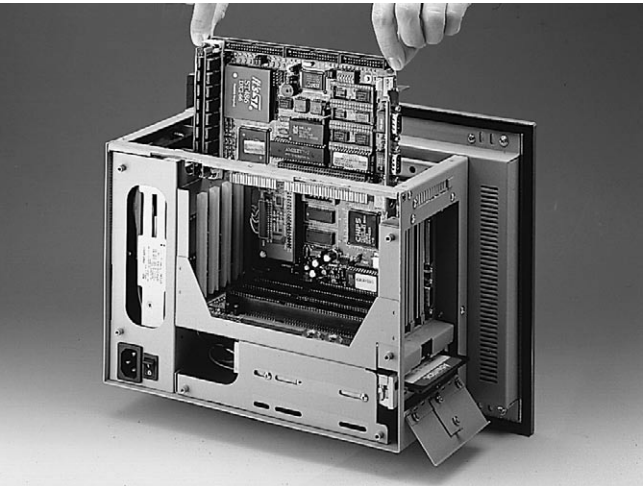
Panel Mounting



Optional PCI Fieldbus Card

- Supports CANopen, DeviceNet™ or PROFIBUS™ by request

Back View



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	eConnectivity
12	UNO
13	ADAM-4000
14	ADAM-5000
15	ADAM-6000
16	ADAM-8000
17	BAS

PWS-1409

PWS-1419

9-slot 14.1" TFT LCD Portable Workstation

9-slot 14.1" TFT LCD Ruggedized Portable Workstation



Features

- 9-slot ISA/PCI backplane platform
- Full size mechanical key-switch keyboard with touch-pad
- Built-in amplified stereo speakers
- 14.1" TFT LCD w/ 1024x768 resolution
- Add-on Card Retention bar
- Built-in Standard PC I/O Ports
- CE, FCC, CCC, BSMI compliant
- Carrying case for easy travel

For PWS-1419T/TP only

- Impact-resistance protective glass for LCD
- Complete Aluminum Enclosure

Introduction

PWS-1419T/TP Ruggedized Portable Workstation

The PWS-1419 complies with stringent industrial standards. Built with an all aluminum enclosure with hard anodized surface, the PWS-1419T/TP has been thoroughly tested and certified to withstand the most demanding environments. The PWS-1419 is dustproof, moisture resistant, shock/drop proof, and heat/cold resistant. Built-in sound and standard PC I/O ports are provided along with a 14.1" TFT LCD with 1024 x 768 resolution.

Its compact size makes it an ideal solution for field operations and it is extremely mobile with the ability to be carried on to a plane or easily fitted into a vehicle. It is ruggedly built and expandable while meeting MIL-STD-810E military standards and industrial requirements.

PWS-1409T/TP Portable Workstation

The PWS-1409T/TP is a light version of PWS-1419 Portable Workstation, making it also ideal for rugged field and mobile applications. The product is built on an aluminum chassis surrounded by a highly durable ABS plastic shell. It offers a cost effective solution for applications such as portable servers, network/communications testing, field data acquisition, remote field service, factory monitoring automation, etc.

Specifications

- **Chassis** PWS-1419 - complete aluminum
PWS-1409 - aluminum chassis w/ABS plastic shell
- **Backplane** TP version-1 CPU, 4 ISA, 4 PCI; T version-1 CPU, 8 ISA
- **Keyboard** Full size mechanical key-switch, detachable
- **Power Supply** AC 110/220 V auto switch
- **Storage Device** FDD built-in, plus 1 hard disk bay and 1 slim type CD-ROM bay
- **Operating Temperature** -8 ~ 60° C
- **Storage Temperature** -20 ~ 60° C
- **Humidity** PWS-1419 5 ~ 95 % RH, non-condensing
PWS-1409 10 ~ 90 % RH, non-condensing
- **Dimensions (W x H x D)** PWS-1419: 421 x 282 x 230 mm (16.6" x 11.1" x 9.1")
PWS-1409: 400 x 320 x 200 mm (15.7" x 13.2" x 10.4")
- **Weight** PWS-1419: 12 kg (26.4 lb)
PWS-1409: 9 kg (19.8 lb)

LCD Display

	PWS-1409	PWS-1419
Display Type	14"1 Active Matrix TFT	14"1 Active Matrix TFT
Max. Resolution	1024 x 768	1024 x 768
Max. Colors	262 K	262 K
Viewing Angle	H: left side 40°, right side 40° V: up side 15°, down side 30°	H: left side 50°, right side 50° V: up side 20°, down side 35°
Luminance	130 cd/m ²	220 cd/m ²
Backlight Lifetime	25,000 hrs	25,000 hrs

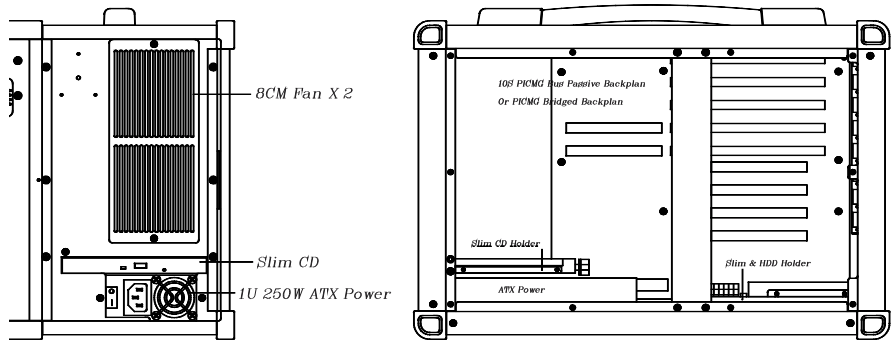
Ordering Information

- **PWS-1419T** 14.1" LCD, Aluminum Chassis, 8ISA/1CPU, Slim Type FDD
- **PWS-1419TP** 14.1" LCD, Aluminum Chassis, 4ISA /4PCI/1CPU, Slim Type FDD
- **PWS-1409T** 14.1" LCD, Aluminum Chassis w/ ABS Plastic Shell, 8ISA/1CPU, standard type FDD
- **PWS-1409TP** 14.1" LCD Aluminum Chassis w/ ABS Plastic Shell, 4 ISA/4 PCI/1 CPU, standard type FDD

PWS-1409
PWS-1419

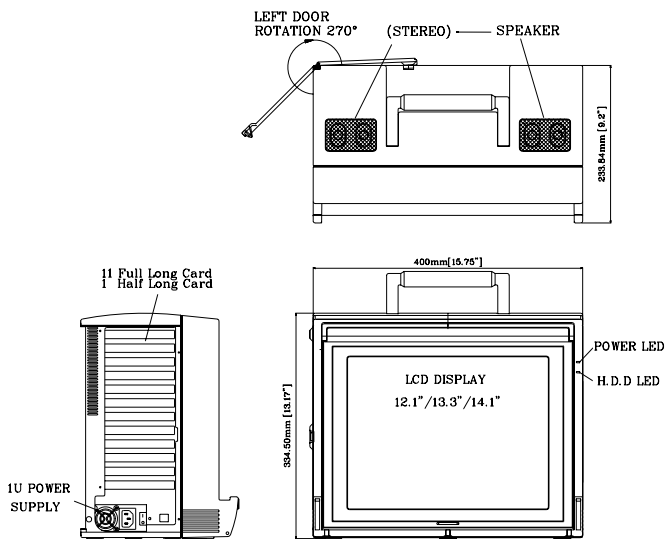
Dimensions

Unit: mm



Dimensions

Unit: mm



Front View



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
eConnectivity

12
UNO

13
ADAM-4000

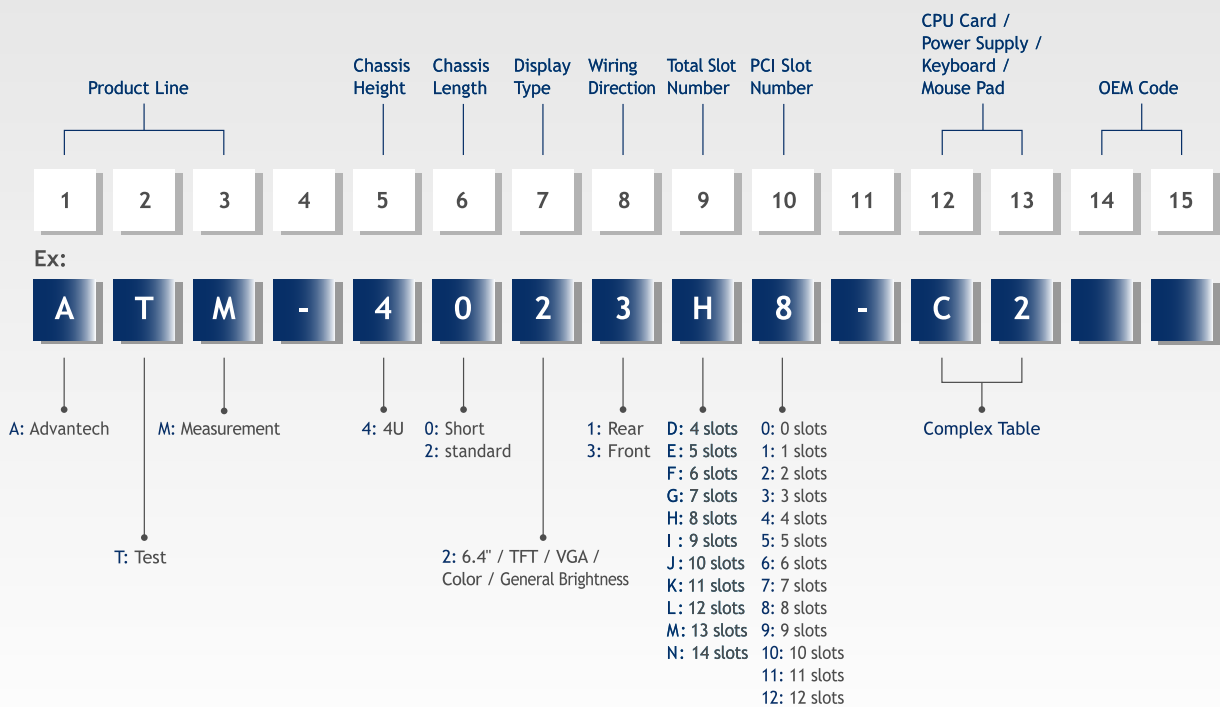
14
ADAM-5000

15
ADAM-6000

16
ADAM-8000

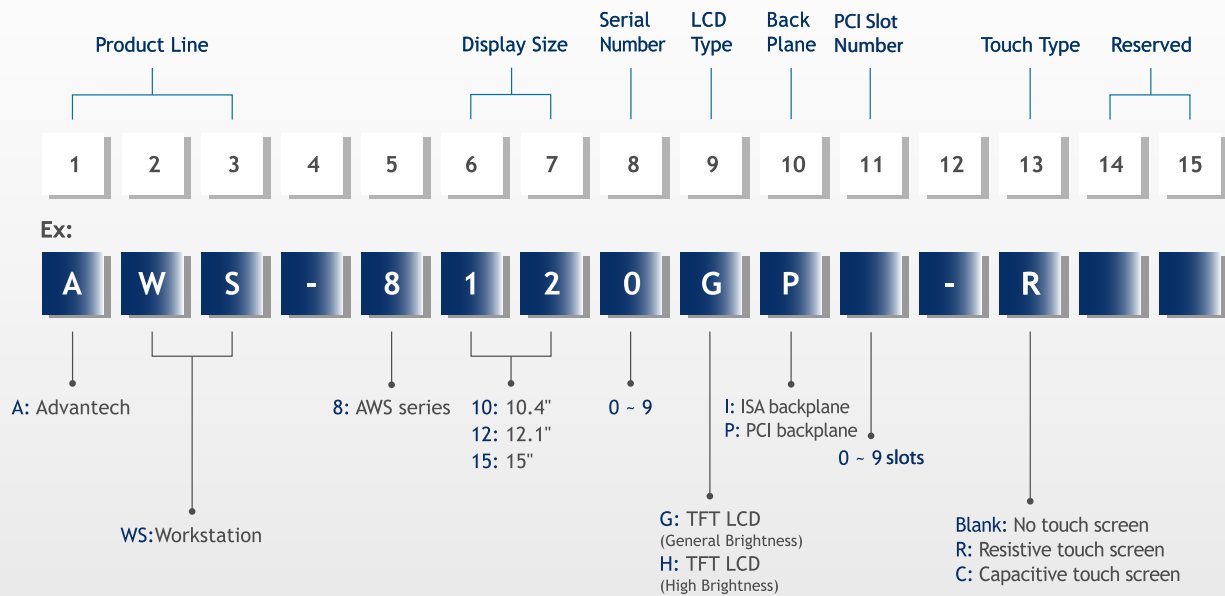
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BAS

Industrial Automation Platform Naming Rule



❖ Example Description: 8 PCI slots Industrial Automation Platform with 6.4" LCD / 4U / Half size / Front-access / Front Wiring / PIII CPU card / 250W power supply

AWS Series Naming Rule



❖ Example Description: 12.1" WorkStation General brightness TFT LCD / Resistive touch screen / PCI slot