

# AWS-842TPB

## Workstation with 10.4" LCD and PCI Backplane



### Introduction

The AWS-842 is a PC-based industrial workstation with an industrial grade high brightness 10.4" color TFT/STN LCD display. The AWS-842 is specifically designed for use within factories and other harsh industrial environments.

This 19" frame can be rack mounted or panel mounted. The AWS-842 provides 8 PCI/ISA slots. A special version is also available for Baby AT motherboards.

### Specifications

- **Front panel:** Aluminum, meets NEMA 4 or IP 65
- **Disk drive housing:** Supports one slim 3.5" FDD, one 3.5" HDD and one slim CD-ROM
- **VGA card:** CHIPS 65545 ISA-bus card (PCA-6653) with 1 MB DRAM on board, supports simultaneous CRT/LCD display
- **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 connector:** 5-pin DIN connector with dust-protection door on front panel
- **Indicators:** LEDs for Power On/Off and HDD activity
- **Linear VR adjustment:** Brightness for TFT LCD, contrast for CSTN LCD
- **Operating temperature:** 0 ~ 50° C (32 ~ 122° F)
- **Relative humidity:** 5 ~ 85% @ 50° C, non-condensing
- **CE compliant**
- **Dimensions (W x H x D):** 482 x 266 x 307 mm (19.0" x 10.5" x 12.1")
- **Weight:** 15 kg (33 lb)

### Touchscreen (Optional)

- **Type:** Analog resistive
- **Resolution:** Continuous
- **Light transmission:** 75%
- **Controller:** RS-232 interface
- **Power consumption:** +5 V @ 200 mA
- **Software driver:** Supports MS-DOS, Windows 3.1, Windows 95, Windows NT and OS/2

### Passive Backplane

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

### Power Supply Options

#### AC input 260 W (standard offer)

- **Input:** 85 ~ 130 V<sub>AC</sub> or 180 ~ 260 V<sub>AC</sub>, switchable
- **Output:** +5 V @ 25 A; +12 V @ 9 A; -5 V @ 0.5 A; -12 V @ 2.0 A
- **MTBF:** 100,000 hours
- **Safety:** UL/CSA/TUV

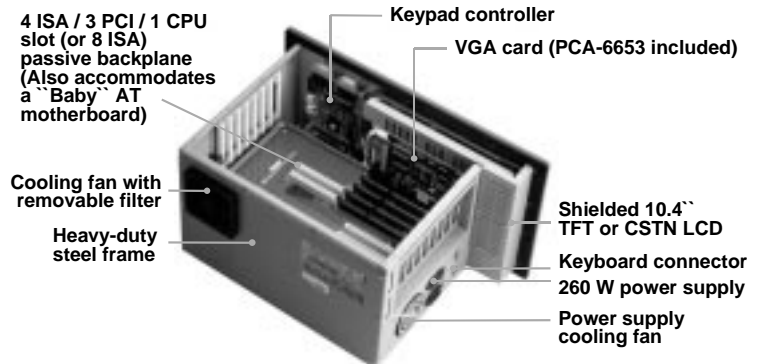
#### -48 V<sub>DC</sub> input 310 W

- **Input:** -38 ~ -58 V<sub>DC</sub>
- **Output:** +5 V @ 25 A; +12 V @ 10 A; -5 V @ 1 A; -12 V @ 5 A
- **MTBF:** 100,000 hours

#### 24 V<sub>DC</sub> input 250 W

- **Input:** 19 ~ 32 V<sub>DC</sub>
- **Output:** +5 V @ 25 A; +12 V @ 10 A; -5 V @ 1 A; -12 V @ 1 A
- **MTBF:** 100,000 hours

### Complete Functionality



## LCD Display

Model	AWS-842T	AWS-842S
Display type	10.4" TFT color	10.4" CSTN
Max. resolution	640 x 480	640 x 480
Max. colors	256 K colors	4096 colors
Dot size (mm)	0.33 x 0.33	0.33 x 0.33
Luminance (cd/m <sup>2</sup> )	250	130
Viewing angle	90°	90°
Temperature	0 ~ 50° C	0 ~ 45° C
VR controller	Brightness	Contrast
LCD MTBF	50,000 hours	50,000 hours
Backlight MTBF	20,000 hours	25,000 hours
VGA card	PCA-6653-842T	PCA-6653-842S

## Front Access CD-ROM & Control Panel



## Ordering Information

- AWS-842TPB**  
10.4" TFT, 8 PCI/ISA slots, 260 W 110/220 V<sub>AC</sub> power supply, 3.5" slim FDD
- AWS-842TB**  
10.4" TFT, 8 ISA slots, 260 W 110/220 V<sub>AC</sub> power supply, 3.5" slim FDD
- AWS-842SPB**  
10.4" STN, 8 PCI/ISA slots, 260 W 110/220 V<sub>AC</sub> power supply, 3.5" slim FDD
- AWS-842SB**  
10.4" STN, 8 ISA slots, 260 W 110/220 V<sub>AC</sub> power supply, 3.5" slim FDD
- AWS-842TPB-T**  
AWS-842TPB and touchscreen (RS-232 interface)
- AWS-842TB-T**  
AWS-842TB and touchscreen (RS-232 interface)
- AWS-842SPB-T**  
AWS-842SPB and touchscreen (RS-232 interface)
- AWS-842SB-T**  
AWS-842SB and touchscreen (RS-232 interface)

## Accessories

- CDR-842-0024**  
Slim 24X CD-ROM kit

## Dimensions

