

# 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<sub>AC</sub>/3 A ~ 240 V<sub>AC</sub>/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<sub>DC</sub>/7 A ~ 48 V<sub>DC</sub>/4 A or 12 V<sub>DC</sub>/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%

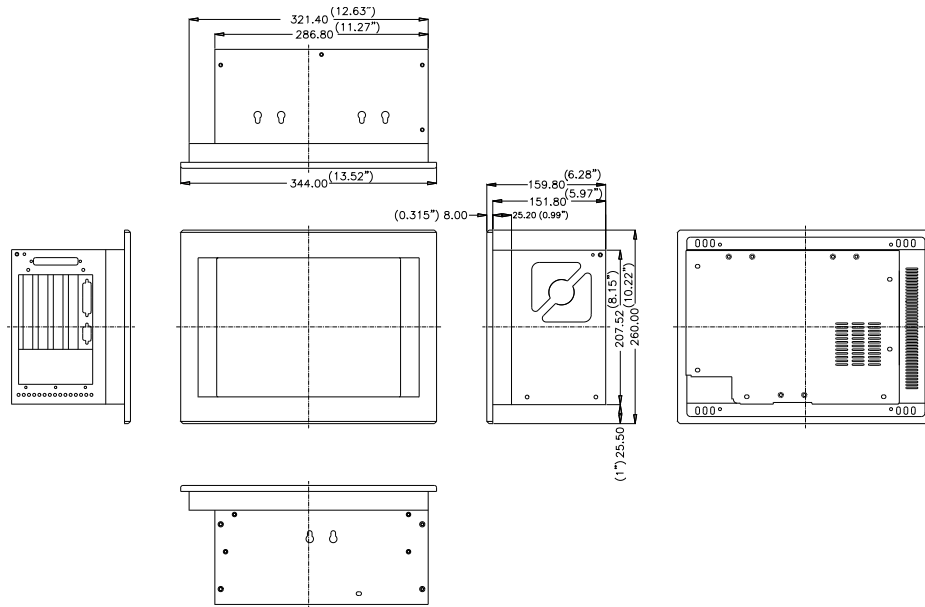
- **Controller** RS-232 interface
- **Power Consumption** +5 V @ 200 mA
- **Durability** 100 million touch lifetime
- **Software Driver** Supports DOS, Windows® 3.1/95/98/NT/2000, Linux
- **Display Type** 12.1" SVGA TFT LCD\*
- **Resolution** 800 x 600
- **Max. Colors** 262 K
- **Viewing Angle** 90° (H), 40° (V)
- **Luminance** 100 cd/m<sup>2</sup>
- **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

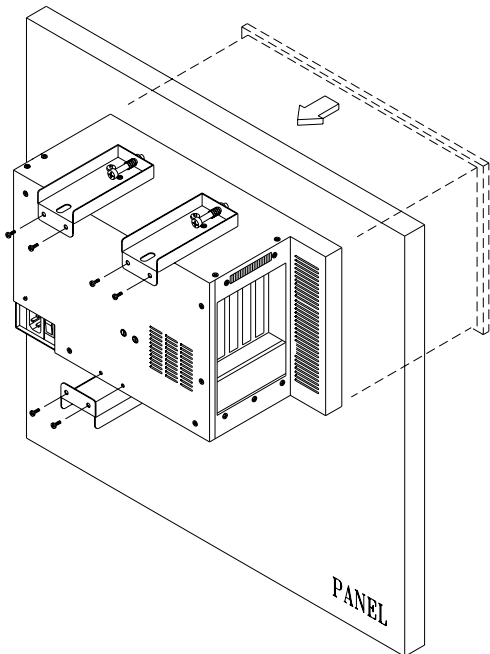
## Dimensions

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

