

AWS-8124

Mini Workstation with 12.1" LCD & 4 Expansion Slots



Introduction

The AWS-8124 PC-based mini workstation is a compact unit that meets the requirements of human-machine interface. Its half-sized, four slot backplane provides a space-saving and economical solution for industrial control. 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), PCI-6771 (for 8124TP)
- **Operating Temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Relative Humidity:** 5 ~ 95% @ 40° C (non-condensing)
- **Vibration (operation):** 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 lbs)
- **CE, FCC, BSMI compliant**

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)

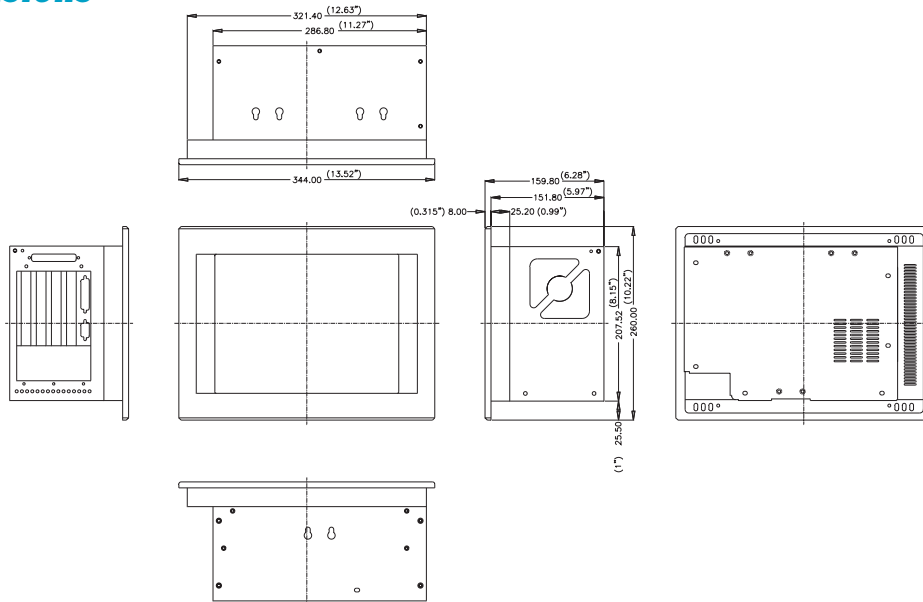
- **Type:** analog resistive, continuous resolution
- **Light Transmission:** 72%
- **Controller:** RS-232 interface
- **Power Consumption:** +5 V @ 200 mA
- **Durability:** 100 million touch lifetime
- **Software driver:** supports DOS, Windows 3.1/95/98/NT/2000, Linux

	AWS-8124
Display type	12.1" SVGA TFT LCD
Resolution	800 x 600
Max. colors	262 K
Viewing angle	90° (H), 40° (V)
Luminance	200 cd/m ²
Lamp lifetime	20,000 hrs
Operating temperature	0° C ~ 50° C
Storage temperature	-20° C ~ 60° C

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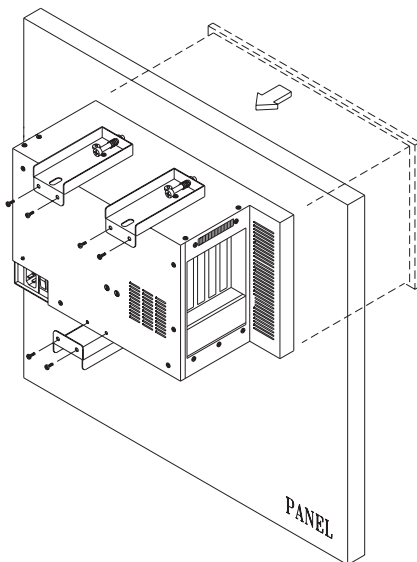
Dimensions

Unit: mm (inch)



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

Panel Mounting



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-8124TP-C2**
AWS-8124TP bundle PCI-6771F 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-8124TP-TC2**
AWS-8124TP-T bundle PCI-6771F CPU card

Optional PCI Fieldbus Card

- Support CANopen, DeviceNet or Profibus by request