AWS-825

Introduction

The AWS-825 is a PC-based industrial workstation designed especially for the factory floor and other harsh industrial environments. The highly-integrated AWS-825 features a 15" low radiation, high resolution CRT display and full-function keypads within a rugged compact unit.

The 19" AWS-825 can be either rack mounted or panel mounted. It provides 7 PCI/ISA slots or 8 ISA slots in a slide-out card cage (work drawer) for easy installation and maintenance.

An optional touchscreen is also available for a more intuitive user interface.

Specifications

- **Front panel**: Aluminum, meets NEMA4 or IP65
- **Disk drive housing**: Supports one 3.5" FDD, one 3.5" HDD and one slim CD-ROM (HDD and CD-ROM optional)
- **Three cooling fans**: 32 CFM fan for power supply, 29 CFM fan for monitor, 36 CFM fan for plug-in cards
- **Membrane keypad**: One with 39 operating keys, one with 10 function keys and 10 programmable macro function 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:** Analog resistive type, and 35 million touch life with PC-bus controller
- **Dimensions (W x H x D)**: 482 mm x 356 mm x 450 mm (19.0" x 14.0" x 17.7")
- **Gross Weight**: 38 kg (83.8 lbs)
- **Operating temperature**: 0 ~ 50° C (32 ~ 122° F)
- **Storage temp.**: -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
- **CE ,FCC, BSMI, C-UL US compliant**

Passive Backplane

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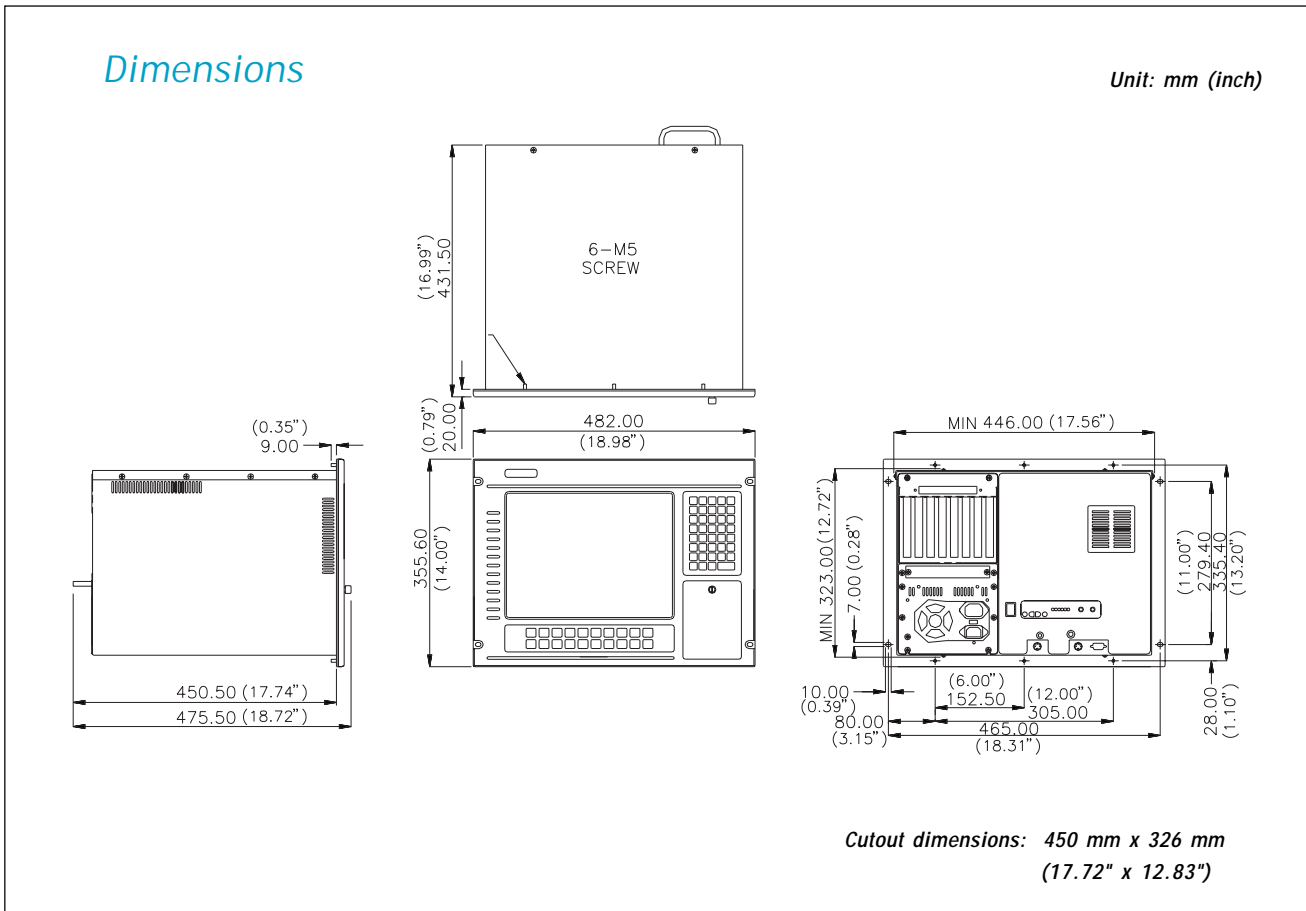- **PCA-6108C**: 8 ISA slots

CRT Display

- **Size:** 15" diagonal
- **Resolution:** 1280 x 1024 max.
- **Dot pitch:** 0.28 mm
- **Horizontal frequency:** 30 ~ 60 kHz
- **Vertical frequency:** 44 ~ 100 Hz, noninterlaced
- MPR II compliant
- Power-on auto-degaussing
- Full digital video adjustment on rear panel

Power Supply

AC input 260 W (standard offer)

- **Input**: 85 ~ 130 V_{AC} or 180 ~ 260 V_{AC} 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/TÜV

Dimensions

Unit: mm (inch)

6−M5
SCREW

(16.99")
431.50

(0.35")
9.00

(0.79")
20.00

482.00
(18.98")

355.60
(14.00")

450.50 (17.74")
475.50 (18.72")

MIN 446.00 (17.56")

MIN 323.00 (12.72")

7.00 (0.28")

(11.00")
279.40
335.40
(13.20")

10.00
(0.39")

80.00
(3.15")

(6.00")
152.50

(12.00")
305.00

465.00
(18.31")

28.00
(1.10")

Cutout dimensions: 450 mm x 326 mm
(17.72" x 12.83")

Ordering Information

❑ **AWS-825PB**
15" Monitor, PCA-6107P2, 260 W 110/220 V$_{AC}$ power supply, 3.5" FDD

❑ **AWS-825B**
15" Monitor, PCA-6108C, 260 W 110/220 V$_{AC}$ power supply, 3.5" FDD

❑ **AWS-825PB-T**
AWS-825PB + touchscreen (PC-bus interface)

❑ **AWS-825B-T**
AWS-825B + touchscreen (PC-bus interface)

Accessories

❑ **CDR-825-0024**
Slim 24X CD-ROM kit with support bracket

❑ **PCA-6653**
ISA-bus VGA card with 1 MB VRAM, up to 1280 x 1024 @ 256 colors (for AWS-825B or AWS-825B-T only)

❑ **PCA-6654LB**
PCI-bus VGA card with 2 MB EDO VRAM, up to 1280 x 1024 @ 64 K colors (for AWS-825PB or AWS-825PB-T only)

Note:
Products in the AWS-825B or AWS-825PB series do not include ISA or PCI VGA cards. We recommend purchasing the AWS-825B or AWS-825PB in conjunction with one of Advantech's CPU cards with on-board VGA. This solution will save you having to use an extra slot when integrating your system and is more cost-effective compared to buying a separate VGA card.

Alternatively, you can order a VGA card separately