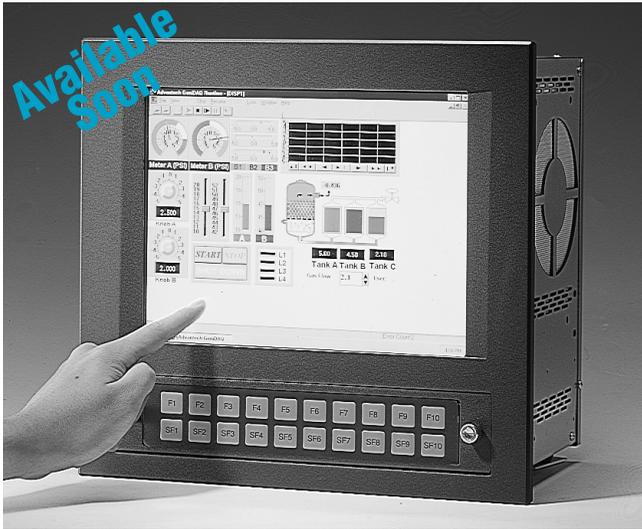


AWS-8120

Industrial workstation with 12.1" LCD & NLX Backplane



Introduction

The AWS-8120 is a brand new compact workstation, incorporating a NLX bus backplane, this system provides both ISA and PCI slots for various riser card options. The NLX structure is supported by a broad alliance including most PC system companies. With the NLX workstation, it preserves your current ISA investment, but still allows upward growth for PCI cards. In addition, the system is less than 350 mm in width. This feature makes the system flexible in industrial HMI applications.

Specifications

- **Front panel:** Aluminum, meets NEMA4/IP65 standards
- **Construction:** Heavy-duty stainless steel chassis
- **Disk drive housing:** Supports one slim 3.5 FDD & one slim CD-ROM (CD-ROM & HDD optional)
- **Cooling system:** One ball bearing cooling fan on the side with 76 CFM and MTBF up to 50,000 hrs
- **Membrane keypads:** 10 function keys and 10 programmable macro function keys
- **Keyboard connector:** PS/2 type DIN connector with dust-protection door in the front
- **Indicators:** LED for power on/off and HDD activity
- **Front panel controls:** Reset, Power Switch, Brightness
- **Operating temperature:** 0 ~ 50°C (32 ~ 122°F)
- **Relative humidity:** 5 ~ 85% non-condensing
- **Vibration (operation):** 5 ~ 500 Hz 1 G RMS Random Vibration
- **CE, FCC, C-UL US compliant**
- **Dimensions (W x H x D):** 346 x 322 x 193 mm (13.6" x 12.7" x 7.6")
- **Gross Weight:** 12 kg (26.5 lbs)

Passive Backplane

PCA-6105NP2

- 4-slot NLX (PCI & ISA-bus) passive backplane with 1 NLX/ 2 PCI/ 1 ISA slots or 1 NLX/ 1 PCI/ 2 ISA slots
- 4-layer PCB with ground and power planes for reducing noise and lower power-supply impedance
- On-board IDE & FDD connectors
- **Size:** 210 mm x 135 mm (8.26" x 5.31")

Touchscreen (optional)

- **Type:** 8 wire, analog resistive, continuous resolution
- **Light transmission:** 72% (surface meets ASTM-D 3363-92A standard, tabler abrasion test)
- **Operating pressure:** 30-45 gram for finger, 10 gram for stylus pen, contact bounce < 10 ms
- **Controller:** RS-232 interface
- **Durability:** 100 Million touch lifetime
- **OS Support:** MS-DOS, Windows 3.1/95/98/NT/CE and IBM OS/2

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 hrs
- **Safety:** UL, CE, CSA
- **EMI:** FCC, class B

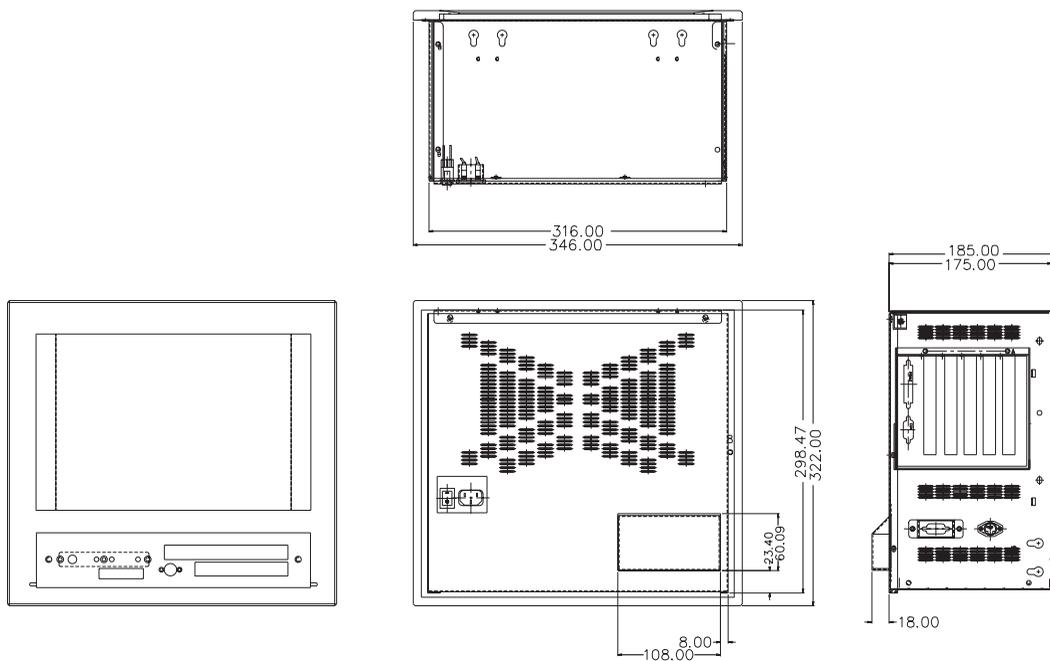
DC input 80 W (option offer)

- **Input:** 24 V_{DC}/7 A ~ 48 V_{DC}/4 A
- **Output:** +5 V @ 10 A, +12 V @ 1.5 A, -12 V @ 0.5 A
- **MTBF:** 200,000 hrs
- **Safety:** UL/CSA
- **EMI:** FCC, class B



Dimensions

Unit: mm (inch)



Cut-out dimensions (W x H): 325 x 300 mm

LCD Specification Table	
Size	12.1"
Display type	SVGA TFT
Colors	256 K
Resolution	800 x 600
Dot Pitch	0.31 x 0.31
Viewing angle (deg)	110
Luminance (cd/m ²)	250
VR controller	Brightness
Power consumption	5 W
Operating temp. (deg.C)	0 ~ 50
Storage temp. (deg.C)	-20 ~ 60
LCD MTBF (hrs)	50,000
Backlight MTBF (hrs)	25,000

Ordering Information

- AWS-8120TN**
12.1" TFT LCD, PCA-6105NP2, 3.5" slim FDD, and 80 W AC power
- AWS-8120TN-T**
AWS-8120TN + touchscreen (RS-232 interface)

Accessories

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

Note:

Products in the AWS-8120TN series do not include LCD display card, we recommended the AWS-8120TN be equipped with PCA-6351 which has a LCD controller on board.