

AMB-223 Series

12.1" Industrial Display Monitors



▶ AMB-223 HT



Introduction

The AMB-223HT is an ideal 12.1" SVGA (800 x 600) color TFT display panel built specifically for industrial applications. With the optional touchscreen, the AMB-223HT is an excellent and user-friendly system control interface.

The AMB-223HT series comes with a dedicated PCI-bus video display card (MBC-266B) and uses LVDS technology. This combination allows for EMI-shielded data transfers at distances up to 6 m. The chassis is constructed with an aluminum front panel and steel chassis. This combination ensures a sturdy and corrosion resistant monitor, and is NEMA 4/12 & IP65 compliant.

Features

- 12.1" SVGA color TFT LCD display
- Heavy-duty steel chassis and aluminum alloy front panel
- Front panel is NEMA 4/12 & IP65 compliant
- Strengthened glass protects the front panel from shock damage
- LVDS VGA cable length support up to 10 Meters

Specifications

- **Construction:** Heavy-duty steel chassis & Aluminum alloy front panel meets NEMA 4/12 & IP65
- **Front panel color:** PMS-403C (military green)
- **Mounting:** Panel mount
- **Input signal:** DB-25 VGA connector
- **Control:** brightness controller knob on the rear panel
- **Dimension (W x H x D) :**
352 x 254 x 51.5mm (13.86" x 10" x 2")
- **Carton dimension (W x H x D):**
479 x 384 x 352mm (18.8" x 15.1" x 9.9")
- **Gross Weight:** 5.3Kg (11.69 lbs)

Flat Panel Control Card (MBC-266B+LVDS)

- **Type:** Half-size 32-bit PCI-bus
- **Video Chip:** Chips T65550
- **DRAM:** On-board 1MB, up to 2.5M (optional)
- **Connectors:** Built in 8/16-bit, 18-bit and 24-bit panel connector.
- **Max. resolution and color:** 1024 x 768 @256K color

Environmental

- **Operating temperature:** 0° to 50°C (32~122°F)
- **Storage temperature:** -20 to 60°C (-4~140°F)
- **Storage humidity:** 5 to 95%, non-condensing
- **Altitude:** 10,000 ft. (3000 meters)
- **Vibration:**
5 to 17 Hz, 0.1" double-amplitude displacement
17 to 500 Hz, 1.5G peak to peak
- **Shock:** 10G peak acceleration (11 msec. duration)
- **EMI:** FCC/ CE Class A

Touchscreen (optional)

Type: 8-wire, analog resistive

Resolution: 1024 x 1024

Light transmission: 72% (surface meets ASTM-D-3363-92A standard.)

Operating pressure: 30-45 grams for finger, 10 grams for stylus pen. Contact bounce < 10ms

Controller: RS-232 interface

Power consumption: +5V @200mA

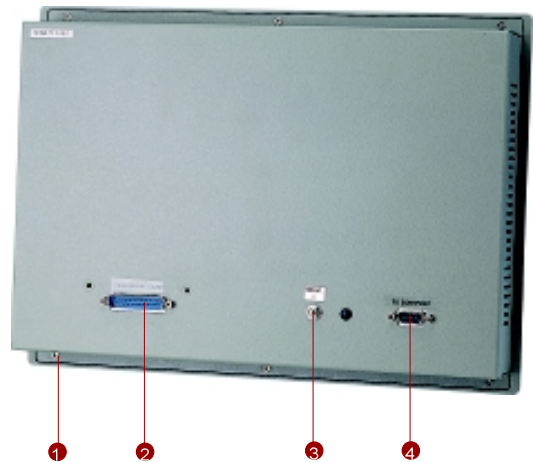
OS support: MS DOS, Windows 3.1, Windows 95, Windows 98, Windows NT, Windows 2000.

Ordering Information

- **AMB-223HT**
12.1" TFT LCD, PCI VGA Card and 1.8m VGA extension cable
- **AMB-223HTT**
AMB-223HT + touchscreen (RS-232 interface)

LCD Specification

Model	AMB-223HT
Display type	12.1" color TFT LCD
Max. resolution	800 x 600
Max. colors	256K
Dot size (mm)	0.3075 x 0.3075
Luminance (cd/m²)	250
Viewing angle	110°
Operating temperature	0° ~50 °C(32~122 F)
Brightness Control	Yes
LCD MTBF (Hrs)	50,000
Back Light MTBF (Hrs)	25,000



1. NEMA 4/12 aluminum front panel
2. DB-25 connect to flat-panel control card
3. Brightness control
4. Touchscreen signal to RS-232 port (option)

Dimension

