AMB-218HT series

10.4" Industrial Display Monitors

◀ AMB-218HT / HTT

Display Monitors

Introduction

The AMB-218HT is a 10.4" VGA (640 x 480) color TFT rack-mount display monitor that meets EIA-RS310C rack standards built specifically for industrial specifically for industrial applications. Two sealed membrane 59-data and 10 function-key keypads, extension keyboard connector and brightness in the front of the panel also with optional touchscreen; the AMB-218HT series are excellent and user-friendly system control interface.

The AMB-218 series comes with a dedicated ISA-bus video display card (MBC-265B) and uses LVDS technology. This combination allows for EMI-shielded data transfers at distances up to 10m. The chassis is constructed with an aluminum front panel and steel chassis. This combination ensures a sturdy and cor-rosion resistant monitor.

Features

- 10.4" VGA color TFT LCD display
- 59 data-entry and 10 function-key membrane keypad
- Heavy-duty steel chassis and aluminum alloy front panel
- Strengthened glass protects the front panel from shock damage
- EIA RS-310C 19" rack-mount 6U height
- LVDS VGA Cable length support up to 10 Meters
- Resistive Touchscreen (optional)

Specifications

- **Construction**: Heavy-duty steel chassis & Aluminum alloy front panel
- **Front panel color:** PMS-403C (military green)
- **Membrane**: 59-data-key and 10 function-key key pad
- **Mounting**: Rack mount, 6U height
- **Input signal**: Keyboard connector on the front side
- **Control**: Brightness adjustment knob on the front panel
- **Dimension (W x H x D)**:
  483 x 266 x 41.2mm (19" x 10.5" x 1.6")
- **Carton dimension (W x H x D):**
  559 x 375 x 403mm (22" x 14.7" x 15.8")
- **Gross Weight**: 9.5Kg (20.9 lbs)

Flat Panel Control Card (MBC-265B+LVDS)

- **Type**: Half-size ISA-bus
- **Video Chip**: TOPRO TP86508
- **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**: 800 x 600 @256K color

MBC-266B+LVDS (optional)

- **Type**: Half-size 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**: CE Class A

Touchscreen (optional)

Type: 4-wire, analog resistive
Resolution: 1024 x 1024
Light transmission: 72% (surface meets ASTM-D-3363-92A standard.)
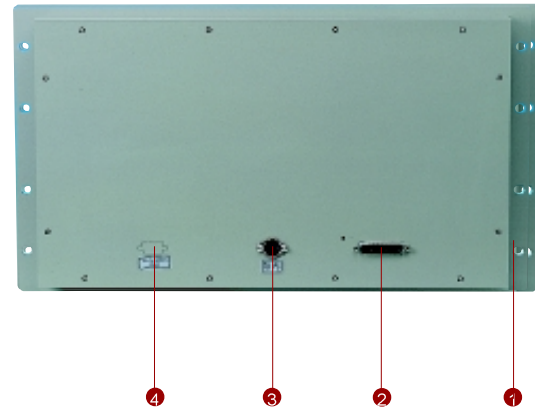**Operating pressure**: 30-45 grams for finger, 10 grams for stylus pen. Contact bounce< 10ms
Controller: RS-232 interface
Power consumption: +5V @200mA
OS support: MS DOS, Windows 3.1, Windows 95, Windows 98, Windows NT. Windows 2000.

Ordering Information

- **AMB-218HT**
  10.4" TFT LCD, ISA VGA Card and 1.8m VGA extension cable
- **AMB-218HTT**
  AMB-218HT + touchscreen (RS-232 interface)
- **Optional**
  PCI VGA Card

LCD Specification

Model	AMB-218CS	AMB-218HT
Display type	9.4 " color DSTN LCD	10.4" color TFT LCD
Max. resolution	640 x 480	640 x 480
Max. colors	4096	256K
Dot size (mm)	0.30 x 0.30	0.33 x 0.33
Luminance (cd/m^2)	60	200
Viewing angle	45°	90°
Operating temperature	0°~50°C(32~122°F)	0°~50°C(32~122°F)
VR Controller	Brightness	Brightness
LCD MTBF (Hrs)	50,000	50,000
Back Light MTBF (Hrs)	10,000	20,000

1. Sealed aluminum front panel with membrane keypad & external keyboard connector
2. DB-25 connector to flat-panel control card
3. Keyboard signal output to PC system
4. Touchscreen signal to RS-232 port (option)

Dimension

Unit : mm

433

483

212

160

266

76,2

190,5

8

41,2

246

AMB-218 series