AMB-280A series
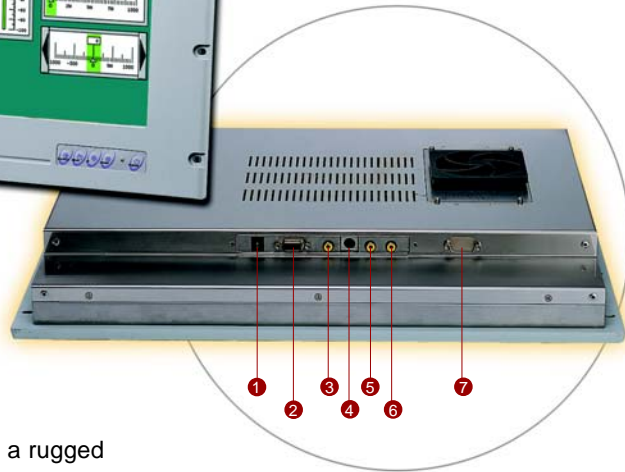
18.1" Industrial Display Monitors

1. Adapter power input
2. RGB
3. Video In
4. S-Video
5. Video 1
6. Video 2
7. Touch (optional)

AMB-280A ▶

Introduction

The AMB-280A industrial display monitor is a rugged 18.1" SXGA (1280 x 1024) color TFT rack-mount display monitor. This is our largest panel size that meets EIA-RS310C rack specifications with a screen size larger than 19" traditional CRT monitors. It displays brilliant, crisp and flicker-free images with an equivalent screen size of 20" traditional CRT monitors. With the optional touchscreen, the AMB-280A is an excellent and user-friendly system control interface.

The AMB-280A provides all the requirements for an analog RGB interface that can be directly connected to standard VGA port, multi-scan function display in VGA, SVGA, XGA and text-mode in full screen. It also offers Composite video AV signal and supports OSD function to adjust display. The chassis is constructed with an aluminum front panel and stainless steel chassis. This combination ensures a sturdy and corrosion resistant monitor and is NEMA 4/12 & IP65 compliant.

Features

- 18.1" SXGA color TFT LCD display
- Heavy-duty stainless steel chassis and aluminum alloy front panel
- Front panel is NEMA 4/12 & IP65 compliant
- OSD (On Screen Display) for user friendly operation in adjusting the LCD and power on/off.
- Strengthened glass protects the front panel from shock damage

- EIA RS-310C 19" rack-mount 9U height
- Analog RGB signal direct input offering multi-scan function
- Composite video AV input signal selectable
- VGA cable length supports up to 20 Meters
- Touchscreen (optional)

Specifications

- **Construction:** Heavy-duty stainless steel chassis & Aluminum alloy front panel meets NEMA4/12 & IP65
- **Front Panel color:** RAL-7035 (white)
- **Mounting:**
  EIA RS-310C 19" Rack mount 9U height, Panel mount
  Optional : Swivel ARM
- **Input signal:** RGB, Composite video
- **Control:** OSD(On Screen Display)
- **Power Supply:** External power adapter
- **Dimensions (W x H x D):**
  483 x 399 x 55mm (19" x 15.7" x 2.2")
- **Carton dimensions (W x H x D):**
  585 x 510 x 219mm (23.1" x 20" x 8.6")
- **Gross Weight:** 15.3Kg (33.7 lbs)

LCD Specification

Model	AMB-280A
Display type	18" color TFT LCD
Max. resolution	1280 x 1024
Max. colors	256K
Dot size (mm)	0.2805 x 0.2805
Luminance (cd/m^2)	235
Viewing angle	160° (H)
	160° (V)
Operating temperature	0° ~50° (32~122 °F)
OSD	Yes
LCD MTBF (Hrs)	50,000
Back Light MTBF (Hrs)	25,000

Environmental Specifications

- **Operating temperature:** 0° to 45°C (32~113°F)
- **Storage temperature:** -20° to 60°C (-4~140°F)
- **Storage humidity:** 10 to 95% @40°C, non-condensing
- **Vibration:**
  1G / 5 ~ 500Hz / operation
- **Shock:** 10G peak acceleration (11 msec. duration)
- **EMI:** CE / FCC Class A

Touchscreen (optional)

Type: 8-wire, analog resistive
Resolution: 1024 x 1024
Light transmission: >68%
Lifetime: 1 million activations
Operating pressure: 90g average for finger, 70g average with non-metal stylus
Controller: RS-232 interface
OS support: MS DOS, Windows 3.1, Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000

Ordering Information

- **AMB-280A**
  18" TFT LCD, external power adapter and 1.2m VGA extension cable with rack mount front bezel
- **AMB-280AT**
  AMB-280A + touchscreen (RS-232 interface)
- **ARM-LA0115** (refer to p.82)
  Swivel arm with VESA 75/100mm standards

Dimension

Unit : mm

AMB-280A