



**APOLLO  
DISPLAY  
TECHNOLOGIES.**

The LCD Specialists...

# Industrial 12.1" SVGA LED Backlit TFT

## Features:

- ◆ Long life white LED backlight system
- ◆ Easy drop-in design for use in Medical, Military, Kiosks, Machine Automation and Industrial Control applications
- ◆ Wide operating temp. range, wide viewing angle, high contrast ratio and brightness ratings
- ◆ Ultra clear touch sensor (87% light transmission)- optional
- ◆ 100% dimming capability w/ CDS-CCRI-800M board- optional

**P/N: T-51866D121J-FW-A-AA-V409**



## Specifications

### LCD Panel:

- 12.1"-TFT Active Matrix color
- 246.0(H) x 184.5(V) mm active area
- SVGA 800 x 600 resolution (maximum)
- 0.3075 (H) x 0.3075 (V) mm dot pitch
- 16.1M colors (maximum)
- 440 nit brightness (typical)
- 500:1 contrast ratio (typical)
- 10/30 ms response time (typical at 0° C)
- 130° (H), 120° (V) viewing angle (typical)
- 37,000+ hour LED life (projected)

### Display Interface:

- 18/24-bit parallel data transfer (6/8-bit color) selectable

### Ordering Options:

**P/N: T-51866D121J-FW-A-AA-V409**

Standard 12.1" SVGA TFT w/ White LED Backlight System

**P/N: T-51866D121J-FW-A-AA-V409A**

Standard 12.1" SVGA TFT w/ Anti-Reflective Front Surface Treatment and White LED Backlight System

**P/N: T-51866D121J-FW-A-AA-V409B**

Standard 12.1" VGA TFT w/ Anti-Reflective Front Surface treatment, White LED Backlight System and integrated 4-wire resistive touch

**P/N: CDS-CCRI-800M**

100% dimmable constant current regulator interface board

### Power:

- Panel Supply Voltages 3.3V DC
- LED Backlight Supply Voltage 9.6V DC typical per rail
- 8.0 W (max per LED rail)

### Mechanical and Environmental:

- 280.0 (W) x 210.0 (H) x 12.0 (D) mm
- 720 g (typ)
- LCD operating temperature range: -0~60° C
- LED operating temperature range: -30~85° C
- LCD Storage temperature range: -20~70° C

## Mechanical Drawing

Download the full mechanical specification at  
[www.apollodisplays.com](http://www.apollodisplays.com)