

FDI

ELI

TM

12.1" Resistive Touchscreen LCD Module for SBCs



Compatible
With:



i.MX



ELI121-CRW

- **Industry Standard Product Version**
- **12.1" XGA LCD Panel with LED Backlight**
- **1024 x 768 (XGA) with 1000:1 Contrast Ratio**
- **4-Wire Resistive Touch Screen**

Features

- 4-Wire Resistive Touchscreen with USB Device Interface
- Plug and Play interface to standard SBCs
- HDMI Input
- +12 Volt DC Input Power ($\pm 5\%$ tolerance)
- 400 nits Brightness (typical)
- 1000:1 Contrast Ratio (typical)
- EDID Support for Automatic Screen Sizing
- -20° to $+60^{\circ}$ C Operating Temperature Range
- Franchised Distribution Stocking
- Part Number: ELI121-CRW

Available From:



AVNET



Specifications

- Screen Size: 12.1 inches (diagonal)
- Touchscreen Type: 4-Wire Resistive
- Display Technology: a-Si TFT LCD
- Touchscreen Interface: USB Device
- Brightness (typ): 400 nits
- Resolution: 1024 x 768 (XGA)
- Contrast Ratio (typ): 1000:1
- Aspect Ratio: 4:3
- Colors: 16.7M (24 bit)
- Horizontal Viewing Angle (L/R): 85/85°
- Vertical Viewing Angle (U/D): 85/85°
- Surface Finish: Anti-glare
- Touch Panel Hardness: $\geq 3H$
- Active Area (W x H): 245.76 x 184.32 mm
- Touch Panel Force (max): 80 gF
- Response Time (typ): 16ms tr+tf
- Backlight Life (min): 30K hours
- EDID for Auto Screen Sizing: Yes
- Display Interface Input Mode: HDMI
- Input VDC: 8-15V
- Power Consumption (typ/max): 1.1/1.4A @ 12VDC
- Backlight Power Consumption: Up to 87% of Total
- USB Power Consumption (typ/max): 50/100mA @ 5VDC
- Operating Temperature: -20° to 60° C
- Storage Temperature: -30° to 70° C
- Plug & Play with Standard SBCs: Yes
- Size: 263.00(W) x 204.00 (H) x 22.30 (D) mm
- Weight (typ): 800 grams
- RoHS Compliant: Yes

See Mechanical and Mounting Info in the User's Manual



www.teamfdi.com
(256) 883-1240



@TeamFDI
#TeamFDI



[YouTube.com/
FDIProducts](https://www.youtube.com/TeamFDI)

Rev 2.6 - 08/06/2025