7.0" High Bright PCAP Touchscreen LCD Module for SBCs





Compatible With:

ELI70-IPHW

- **High Bright Extended Temperature Version**
- **7.0" LCD Panel with LED Backlight**
- **800 x 480 (WVGA) with 1000:1 Contrast Ratio**
- **1000 nits Brightness (typical)**

Features

- PCAP Display with USB Device Interface
- Plug and Play interface to standard SBCs
- HDMI Input
- +12 Volt DC Input Power
- 1000 nits Brightness
- 1000:1 Contrast Ratio
- EDID Support for Automatic Screen Sizing
- -40° to +85° C operating temperature range
- Franchised Distribution Stocking
- Part Number: ELI70-IPHW
- Scratch Resistant 1.45mm Cover Glass

Available From:

Specifications

- Screen Size (inches): 7.0
- Touchscreen Type: PCAP
- Display Technology: IPS a-Si TFT LCD
- Touchscreen Interface: USB Device
- Brightness (nits typ): 1000
- Resolution: 800 x 480 (WVGA)
- Contrast Ratio (typ): 1000 : 1
- Aspect Ratio: Wide 16:9
- Colors: 262K (18 bit)
- Horizontal Viewing Angle: 85° / 85°
- Vertical Viewing Angle: 85° / 85°
- Surface Finish: Anti-glare
- Touch Panel Hardness: ≥7H
- Active Area (in mm) (W x H): 152.40 x 91.44
- Response Time (ms typ): 30 tr + rf
- Backlight Life (K hrs typ): 70 (at 700 nits)
- Backlight Life (K hrs typ): 50 (at 1000 nits)
- EDID for Auto Screen Sizing: Yes
- Display Interface Input Mode: HDMI
- Input Voltage: 12 VDC (± 5% tolerance)
- Power Consumption (mA typ/max): 600/720 @12 VDC
- Backlight Power Consumption up to 78% of Total
- USB Power Consumption: (mA typ/max): 50/100 @5.0 VDC
- Operating Temperature: -40° to 85° C
- Storage Temperature: -40° to 90° C
- Mounting: M3-0.50 screw mounts in 4 corners
- Plug & Play with Standard SBCs: Yes
- Size: 166.1 (W) x 108.2 (H) x 29.0 (D) mm
- Weight (grams typ): 360
- RoHS Compliant: Yes

See Mechanical and Mounting Info in the User's Manual

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