



Product Specifications

90LM150X3FHA0F

Overview

This Open Frame Touchmonitor integrates AUO's 15" TFT LCD Panel and Promate's F-Series Driver Board in a reliable Mechanical Enclosure. It simplifies the design processes related to different aspects of creating a Display Solution and is suitable for a broad range of Industrial Applications.

Features

- Designed for Easy Integration
- Wide Range of Video Modes Supported
- Supports different Touch Technologies
- Rigid Mechanical Structure
- Optional Mounting Methods

Touchmonitor Product Specifications

| Display Specifications | |
|-------------------------------|---|
| Diagonal | 15inch (381mm) |
| Type | Active Matrix TFT LCD |
| Optional Resolution | 1024 x 768 (XGA) |
| Aspect Ratio | 4 : 3 |
| Display Active Area | Width: 304mm (12") Height: 228mm (9") |
| Supported Colors | 16.2M Colors Up to 24bit |
| Response Time | 8 milliseconds |
| Viewing Angle | 65 Up 60 Down 70 Left 70 Right |
| Brightness | 250nits (Without Touch Sensor) |
| Contrast Ratio | 700 : 1 |
| Backlight Lamp Type | CCFL |
| Backlight Lamp Life | 50,000 Hours to Half Brightness |
| Touch Specifications | |
| Resistive | 200nits (4-Wire) |
| Capacitive | 225nits (Optional) |
| Surface Acoustic Wave | 225nits (Optional) |
| Interface | USB Serial RS232 |
| Video Specifications | |
| Input Format | RGB Analog |
| Input Signal Connector | D-Sub 15Pin VGA Type |
| Input Frequency | Horizontal: 31 ~ 60Hz Vertical: 56 ~ 75Hz |
| Power Specifications | |
| Power Supply | Internal Type |
| Input Connector | DC-Jack 2.5φ |
| Input Voltage | 100 ~ 240 VCA, 50/60Hz / 40W Max |
| Input Current | 3.7Amps (Typical) |
| Power Consumption | 44Watts (Typical) Under 3Watts (Standby) |
| Power Protection | Heavy Current Prevention ESD Protection |
| OSD Specifications | |
| On-Screen Display | Remote OSD With 1.8m Cable |
| User Controls | Power Button Menu Button Up Button Down Button Exit Button |
| User Settings | Brightness, Contrast, Black Level, Sharpness, H/V Position, Pixel Clock, Phase, Color, Interface USB/RS232 Touch, OSD Position, Languages, Recall, Display Information |
| User Languages | English, French, German, Chinese, Korean |
| Others | |

| | |
|---------------|-------------------------|
| Speakers | 2W / Channel (Optional) |
| HUB USB | Yes (2 External USB) |
| Driver To MAC | Yes |

Video Modes

| Supported Resolutions | Refresh Rate |
|-----------------------|------------------|
| 1680 x 1050 | 75Hz |
| 1600 x 1200 | 60Hz |
| 1440 x 900 | 60Hz |
| 1366 x 768 | 60Hz |
| 1360 x 768 | 60Hz |
| 1280 x 1024 | 60Hz, 70Hz, 75Hz |
| 1280 x 960 | 60Hz, 75Hz |
| 1280 x 768 | 60Hz, 70Hz, 75Hz |
| 1280 x 720 | 60Hz, 75Hz |
| 1152 x 900 | 66Hz, 76Hz |
| 1152 x 870 | 73Hz |
| 1152 x 864 | 60Hz, 70Hz, 75Hz |
| 1024 x 800 | 73Hz |
| 1024 x 768 | 60Hz, 70Hz, 75Hz |
| 832 x 624 | 75Hz |
| 800 x 600 | 60Hz, 70Hz, 75Hz |
| 720 x 400 | 70Hz |
| 720 x 350 | 70Hz |
| 640 x 480 | 60Hz, 70Hz, 75Hz |
| 640 x 350 | 70Hz |

Environmental Specifications

| Reliability | Criteria |
|-----------------------|--|
| Operating Temperature | 0°C ~ 40°Celsius (32°F ~ 104°Fahrenheit) |
| Storage Temperature | -20°C ~ 60°Celsius (-4°F ~ 140°Fahrenheit) |
| Operating Humidity | 20% ~ 80% Relative Humidity |
| Storage Humidity | 10% ~ 90% Relative Humidity |

Physical Specifications

| Actual | |
|----------------------|--|
| Enclosure Color | Dark Gray |
| Overall Dimensions | Width: 380mm (15") Height: 296mm (11.7") Depth: 61mm (2.4") |
| Actual Weight | 6.1 Kilograms (13.5 Pounds) |
| Mounting Options | 75mm VESA Threaded-Through Mounting Holes, Under Base Mounting Brackets Optional Rear Mount Through Bezel Or With Optional Brackets Rack Mount Optional Plug And Play |
| Shipping | |
| Packaging Dimensions | - |
| Shipping Weight | 8.5 Kilograms (18.7 Pounds) Shipping Box Dimension |

Other Specifications

| Feature | Specification |
|---------|---------------|
|---------|---------------|

