



Product Specifications

90LM170E1FHA0F

Overview

This Open Frame Touchmonitor integrates AUO's 17" 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	17inch (432mm)
Type	Active Matrix TFT LCD
Optional Resolution	1280 x 1024 (SXGA)
Aspect Ratio	5 : 4
Display Active Area	Width: 338mm (13.2") Height: 270mm (10.6")
Supported Colors	16.7 Million Colors Up to 32bits
Response Time	5milliseconds
Viewing Angle	80 Up 80 Down 85 Left 85 Right
Brightness	370nits (Without Touch Sensor)
Contrast Ratio	1000 : 1
Backlight Lamp Type	CCFL
Backlight Lamp Life	50,000 Hours to Half Brightness
Touch Specifications	
Resistive	310nits (5-Wire)
Capacitive	340nits 3M Touch System
Surface Acoustic Wave	340nits (Optional)
Interface	USB (Series B Connector) Serial RS232 (DB9)
Video Specifications	
Input Format	Analog VGA, DVI
Input Signal Connector	D-Sub
Input Frequency	Horizontal: 24 ~ 80KHz Vertical: 50 ~ 85KHz
Power Specifications	
Power Supply	100 ~ 240V, 60/50Hz (Auto Sensing)
Input Connector	DC-Jack 2.5φ
Input Voltage	12VDC / 35W Max
Input Current	3.7Amps (Typical)
Power Consumption	40Watts (Normal) Under 2Watts (Economy) Max
Power Protection	Heavy Current Prevention ESD Protection
OSD Specifications	
User Controls	S1: Menu Button S2: Auto Button S3: Up Button S4: Down Button S5: Power Button
User Settings	Information, Brightness, Contrast, Colors, Auto Config., Horizontal Size, H/V Position, Recall, OSD Time, OSD Position, Input Video Select
User Languages	English, French, German, Chinese, Russian
Others	
Speakers	2Channel x 2W (Optional)
HUB USB	Yes (2 External USB)

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
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: 374mm (14.7") Height: 312mm (12.3") Depth: 79mm (2.6")
Actual Weight	6.5 Kilograms
Mounting Options	Mounting Brackets 75mm VESA Mount 100mm VESA Mount
Shipping	
Packaging Dimensions	471mm x 416mm x210mm
Shipping Weight	8 Kilograms (17.6 Pounds)

Other Specifications

Feature	Specification
Certifications	RoHS
MTBF	50,000 Hours
Warranty	1 Year

