

FPM-2150GB / GBE

Industrial Transflective
15" Flat Panel Monitor
with Direct-VGA Port



Features

- 15" XGA TFT LCD with resolution up to 1024 x 768
- Multi-scan function supports XGA, SVGA, VGA
- Front accessible display on/off switch
- Auto-recognition of input signal
- Supports panel, rack, wall mount, desktop and VESA arm
- NEMA4/IP65 compliant Al-Mg front panel
- Anti-reflective screen with tempered glass
- Hard anodic coating to prevent panel abrasion and acid corrosion
- Can be viewed under direct sunlight and outdoors

Introduction

FPM-2150GB/GBE is an industrial-grade 15" TFT LCD flat panel monitor with an Al-Mg front panel, a modern appearance, and one of the most competitive prices for 15" LCD monitors on the market. The FPM-2150G is also extremely light and thin, and provides many industrial-grade features such as a NEMA4/IP65 certified front panel, stainless steel chassis, VESA mounting flexibility, and more. The FPM-2150GB/GBE is especially suitable for industrial PCs such as IPC-610 or IPC-6806. This combination leads to an extremely reliable and tough system, ready to operate in a wide variety of industrial applications. The transflective panel adds several films in the panel to create the transmissive and reflective mode for the LCD so that the panel can be viewed under sunlight or outdoors.

Specifications

General

- **Button Controls** OSD control pad on front panel
- **Certifications** BSMI, CCC, CE, UL, FCC class B
- **Dimensions (WxHxD)** 383 x 307 x 48 mm (15" x 12" x 1.89")
- **Enclosure** Al-Mg
- **Mounting** Panel, rack, wall, desktop and VESA arm
- **Power Input** External 42 W power adapter, AC 100 V ~ 240 V input, +12 V @ 3.5 A output
- **Video Ports** VGA
- **Weight (Net)** 3.7 kg (8.2 lb)

LCD Display

- **Backlight Life** 40,000 hrs
- **Contrast Ratio** 500 : 1
- **Display Size** 15"
- **Display Type** XGA TFT LCD
- **Brightness** 250 cd/m²
- **Max. Colors** 16.2 M
- **Max. Resolution** 1024 x 768
- **Viewing Angle (H/V°)** 140/120
- **Surface Treatment** High Efficiency AR coating (Haze<15)

Environment

- **Humidity (Storage)** 5 ~ 95 % non-condensing
- **Ingress Protection** NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Vibration Protection** 5-500 Hz, 1 Grms (Operating, Random)

Optical Characteristics

	Symbol	MIN	TYP	MAX	Unit
Brightness (before rework)	Bwhite	200	250		cd/m ²
Brightness (after rework)	Bwhite		412		cd/m ²
Outdoor Readability					
Ambient Light		10000	20000	30000	cd/m ²
Contrast Ratio (BL off)	35°				
Brightness Gain (BL off)	35°				cd/m ²
Reflectance (net)	35°		1 ~ 2		%

Benefits

- **Viewable in all lighting conditions including direct sunlight**
- **Incorporation of 65 ~ 75% reflective efficiency**

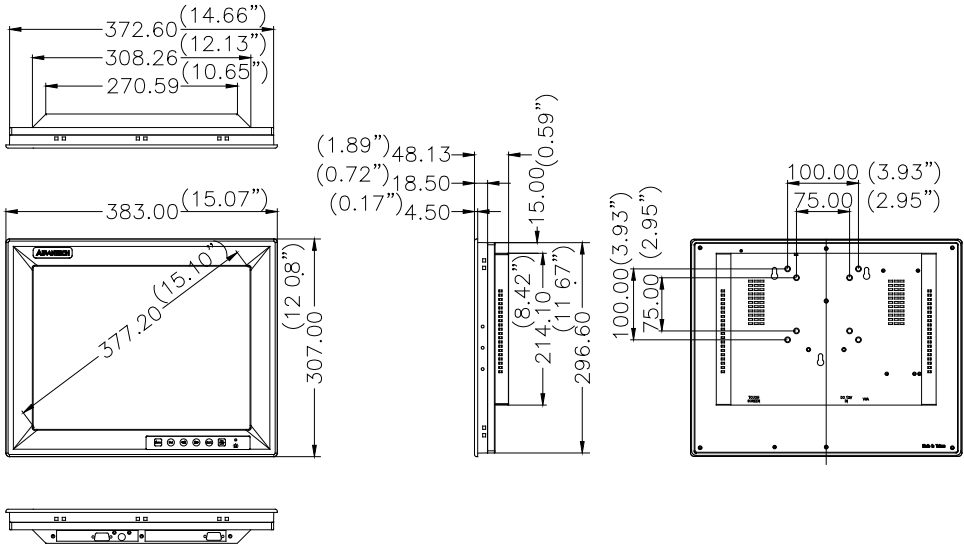
Ordering Information

- **FPM2150GB6001-T** 15.0" Direct Sunlight Readable TFT LCD

Dimensions

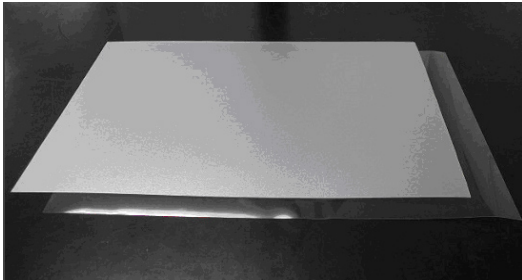
Unit: mm

FPM-2150GB



Cut-out dimension: : 373.5 x 297.5 mm (14.7" x 11.71")

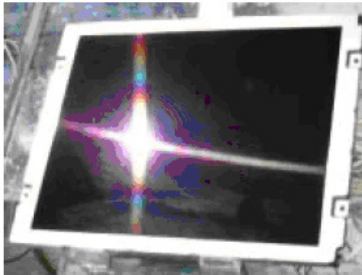
Methodology & Material



SCREEN COMPARSION UNDER THE DIRECT SUNLIGHT



Transflective type



Low Reflection (Transmittal)



Normal : Anti-Glare (Transmittal)