

# ITXG76

*35.7cm (14.1 inch) XGA (1024×768)  
Color TFT LCD Module*



## **Highlight:**

### **Features**

- 35.7cm (14.1 inch) diagonal
- Native 262K colors (RGB 6-bit data driver)
- XGA 1024×768 pixels
- Low Reflection (Black Matrix)
- 298.5mm×226.5mm×6.1mm typ.  
(without inverter)
- 535g typ. (without inverter)

### **Applications**

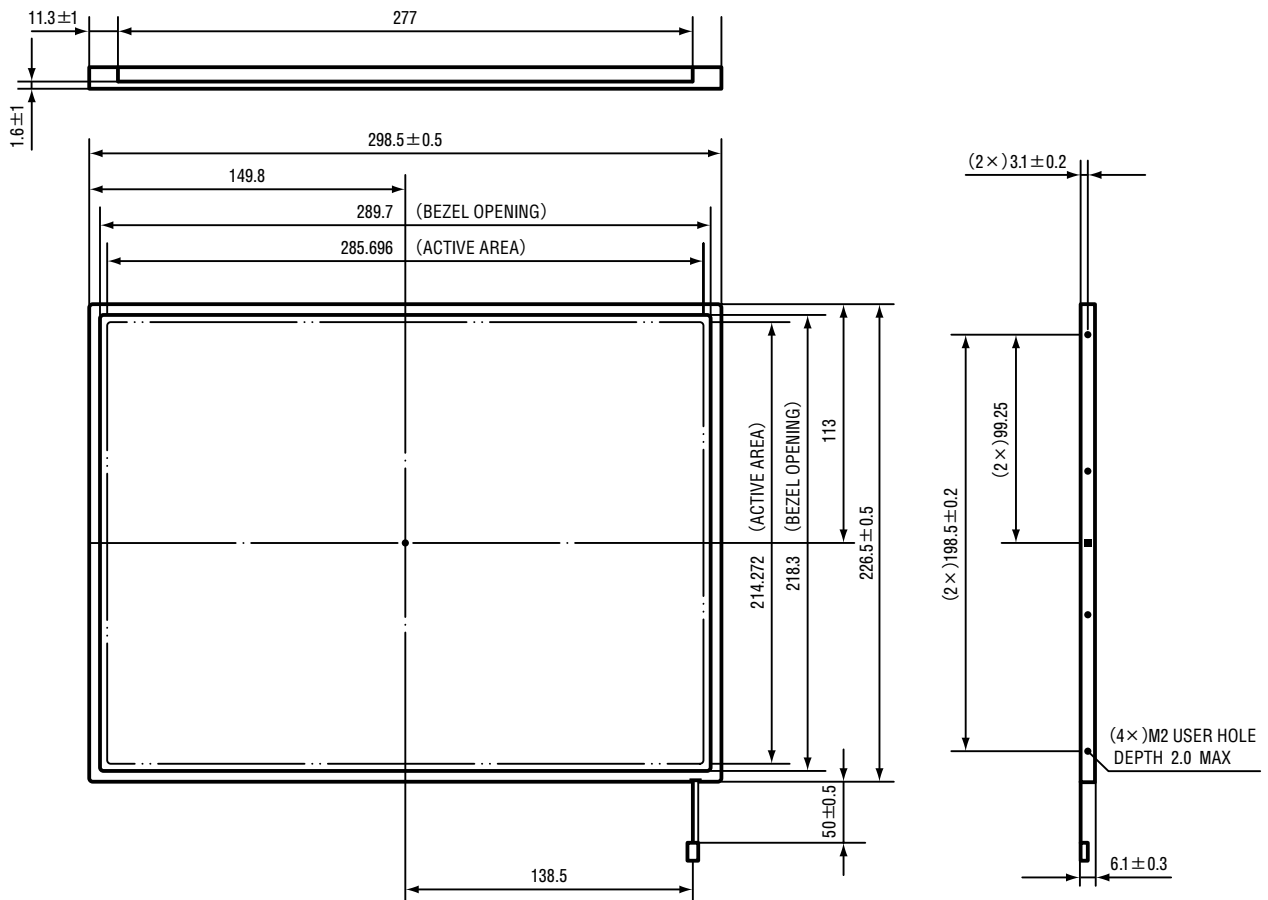
- Notebook style PCs
- KIOSK applications

ITXG76 is a TFT LCD color module to be designed to realize the slim A4 size notebook style personal computer. In addition to its large screen, the characteristics of this module are light weight, slim/thin outline, low power consumption and high resolution of XGA (1024×768) capability.

### Specifications

Screen Diagonal (mm)	357 (14.1 inch)
Active Area (mm)	285.7 (H)×214.3 (V)
Pixels H×V	1024 (×3)×768
Pixel Pitch (mm)	0.279 (per one triad)×0.279
Pixel Arrangement	R.G.B. Vertical Stripe
Display Mode	Nomally White
Typical White Luminance (cd/m <sup>2</sup> )	
Design Point 1:(ICFL=3.8mA)	90 Typ.(Center), 85 Typ.(5 points average)
Design Point 2:(ICFL=6.5mA)	150 Typ.(Center), 140 Typ.(5 points average)
Contrast Ratio	250:1 Typ.
Optical Rise Time/Fall Time (msec)	30Typ., 50Max.(each)
Nominal input Voltage (Volt),VDD	+3.3 Typ.
Logic Power Consumption (watt)(VDD line)	1.5 Typ.
Lamp Power Consumption (watt)	
Design Point 1:(ICFL=3.8mA)	2.5 Typ.
Design Point 2:(ICFL=6.5mA)	3.8 Typ.
Weight (grams)	535 Typ. (w/o inverter)
Physical Size (mm)	298.5 (W)×226.5 (H)×6.1 (D) Typ.
Electrical Interface	Digital Video(6-bit for each color R/G/B), 3 Sync, Clock 4pairs LVDS
Support Color	Native 262K colors (RGB 6-bit data driver)
Temperature Range (°C)	
Operating	0 to +50
Storage (Shipping)	-20 to +60

The above items are characteristics summary on the table under 25°C condition:



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