P6125

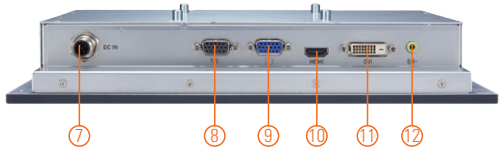
12.1" XGA TFT LCD Railway Touchscreen Monitor (-25°C to +55°C)

Features

- EN 50155 compliant monitor for railway application
- 12.1" high brightness XGA TFT touchscreen LCD
- Wide viewing angle and high brightness of 800nits
- Supports VGA, DVI-D and HDMI
- Light sensor for auto-dimming
- 24 to 110 VDC power input
- -25°C to +55°C wide temperature range
- Supports 5 OSD keys in the front panel

1. Menu
2. SEL+
3. SEL-
4. Exit
5. Power LED
6. Power switch

▲ Side view



7. DC power input
8. 1 x RS-232 (touch & remote control)
9. 1 x VGA
10. 1 x HDMI
11. 1 x DVI-D
12. 1 x Line-in
13. Speaker

EN50155 | Compliant EN 45545-2 | Ext. Temp

Introduction

The EN 50155 compliant railway touchscreen monitor P6125 adopts a 12.1inch XGA TFT LCD with 800 nits of brightness and a 5-wire resistive touchscreen with IP65-rated aluminum front bezel to provide protection of liquad damage and user friendly control interface.

Wide Temperature (-25°C to +55°C)
The EN50155 compliant railway touchscreen monitor supports a wide temperature range from -25°C to +55°C. Its fanless cooling system and super compact designs are suited for rolling stock applications as well as other harsh environments.

800 nits High Brightness with Wide Viewing Angle
The railway grade P6125 adopts a high brightness of 800 nits 12.1-inch LCD with sunlight readable technology. The screen is legible even under strong sunlight and is readable under skies outdoor in parking lots and more. Additionally, with its wide viewing angle feature, users won't miss any information.

Anti-vibration for Railway
With an anti-vibration design and complied to EN 50155, EN 61373 Cat. 1 Class B, the Axiomtek rugged 12.1" railway touchscreen monitor can work perfectly on the train.

Specifications

Front Bezel	NEMA 4/12 (IP65)-compliant, metal front bezel	
LCD Panel	Display Type	12.1" TFT LCD
	Max. Resolution	1024 x 768
	Max. Colors	16.2M/262k
	Active Area (mm)	210.4 (H) x 157.8 (V)
	Pixel Pitch (mm)	0.0685 (H) x 0.2055 (V)
	Response Time	25ms
	Backlight	LED
	Backlight MTBF	50,000 hrs
	Viewing Angle (H/V)	176°/176°
	Contrast Ratio	1000 (TYP.)
	Brightness (cd/m^2)	800 nits
Display Control	OSD (on screen display)	
Display Mode	VGA 640 x 480 (60/72 Hz) SVGA 800 x 600 (60/72 Hz) XGA 1024 x 768 (60/72 Hz)	
Input Signal	VGA HDMI DVI-D RS-232 for touchscreen and IR remote control	

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Specifications

I/O Connectors	1 x RS-232 for touchscreen and remote control 1 x HDMI 1 x DVI-D 1 x M12 DC-in 1 x VGA 1 x Line-in
Power Supply	24 to 110 VDC power input
Power Consumption	33W
Touchscreen	Thickness Resistive: 2.2 mm Light Transmission Resistive: 80% Power Consumption Resistive: +5V @ 100mA Touch Life Resistive: 35 million touches Controller Interface: RS-232 D-type 9-pin male connector
Dimensions	330 mm (12.99") (W) x 57 mm (2.24") (D) x 245 mm (9.65") (H)
Packing Dimensions	510 mm (20.08") (W) x 186 mm (7.32") (W) x 532 mm (20.94") (H)
Weight (net/gross)	2.2 kg (4.85 lb)/3.45 kg (7.61 lb)
Operating Temperature	-25°C to +55°C (-13°F to +131°F)
Relative Humidity	20% to 90% @ +40°C, non-condensing
Certifications	CE, EN 50155, EN 45545 compliant

Packing List

1 x P6125 unit
1 x VGA cable
1 x RS-232 cable (for resisitve touch)

Ordering Information

P6125PR (P/N: E226125100)	12.1" XGA LCD railway touchscreen monitor with 24 to 110 VDC power input

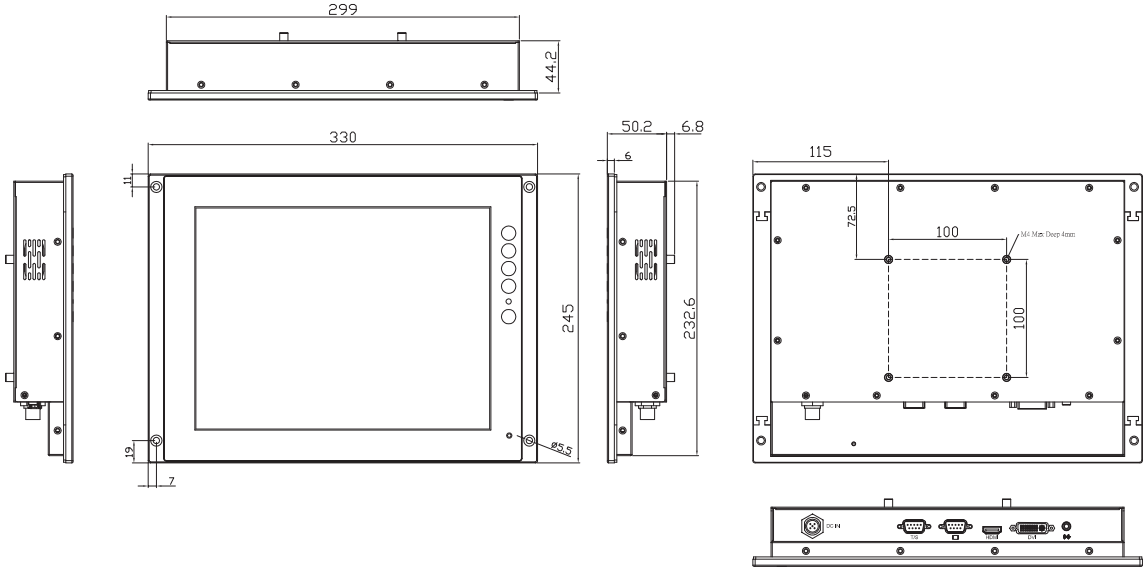
*Specifications and certifications may vary based on different requirements.

Optional Accessories

5946L203800E	HDMI cable
59461713400E	DVI cable

▲ Raer view

Dimensions



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