# P710

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

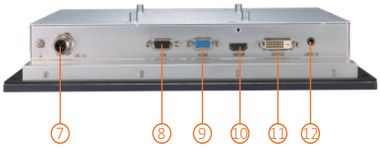
TAIWAN EXCELLENCE 2018

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

## Features

- Certified with EN 50155 and EN 45545-2 standards
- 10.4" high brightness XGA TFT touchscreen LCD
- Wide viewing angle and high brightness of 500 nits
- Supports VGA, DVI-D, and HDMI
- Light sensor for auto-dimming
- Typcial 24 to 110 VDC wide power input range
- -25°C to +55°C wide temperature range
- Supports 5 OSD keys on the front bezel

EN 50155 EN 45545-2 Wide Temperature




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

▲ Side view

▲ Rear view

## Introduction

The P710 railway touchscreen monitor, compliant with EN 50155 standards, features a 10.4-inch XGA TFT LCD boasting 500 nits brightness and a 5-wire resistive touchscreen with an IP65-rated aluminum front bezel, ensuring both water resistance and user-friendly interface control. Designed for railway applications, it incorporates extended temperature technology, operating smoothly in temperatures ranging from -25°C to +55°C, with a fanless cooling system and compact design suitable for rolling stock and other demanding environments.

Equipped with a high brightness of 500 nits and a wide viewing angle, the P710 offers excellent readability, even under intense sunlight, ensuring users have access to information from various positions. Certified with anti-vibration design and compliant with EN 50155 and EN 61373 Cat. 1 Class B standards, the Axiomtek rugged 10.4-inch railway touchscreen monitor guarantees optimal performance on trains, withstanding vibrations encountered during operation.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## Specifications

| | | |
|---|---|---|
| Front Bezel | IP65-rated aluminum front bezel and IP40-rated rear protection | |
| LCD Panel | Display Type | 10.4" 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$^2$) | 500 nits |
| Display Control | OSD (on screen display) | |
| Display Mode | VGA 640 x 480 (60/72 Hz)<br>SVGA 800 x 600 (60/72 Hz)<br>XGA 1024 x 768 (60/70 Hz) | |
| Input Signal | VGA<br>HDMI<br>DVI-D<br>RS-232 for touchscreen and IR remote control | |
| I/O Connectors | 1 x RS-232 for touchscreen and remote control<br>1 x M12 A-coded Male 5-pin DC-in<br>1 x DVI- D<br>1 x VGA<br>1 x HDMI<br>1 x Line-in | |
| Power Supply | Typical 24 to 110 VDC | |
| Touchscreen | Thickness | Resistive: 2.2 mm |
| | Light Transmission | Resistive: 80% |
| | Touch Life | Resistive: 35 million touches |
| | Controller Interface | RS-232 DB9 male connector |
| Dimensions | 310 mm (12.20") (W) x 49.2 mm (1.94") (D) x 214 mm (8.43") (H) | |
| Packing Dimensions | 392 mm (15.44") (W) x 195 mm (7.68") (D) x 447 mm (17.60") (H) | |
| Weight (net/gross) | 1.85 kg (4.08 lb) /3.29 kg (7.26 lb) | |
| Operating Temperature | -25°C to +55°C (-13°F to +131°F) | |
| Relative Humidity | 20% to 90% @ +40°C, non-condensing | |
| Certifications | CE, FCC, EN 50155, EN 50121-3-2, EN 61373, and EN 45545-2 Certified | |

## Ordering Information

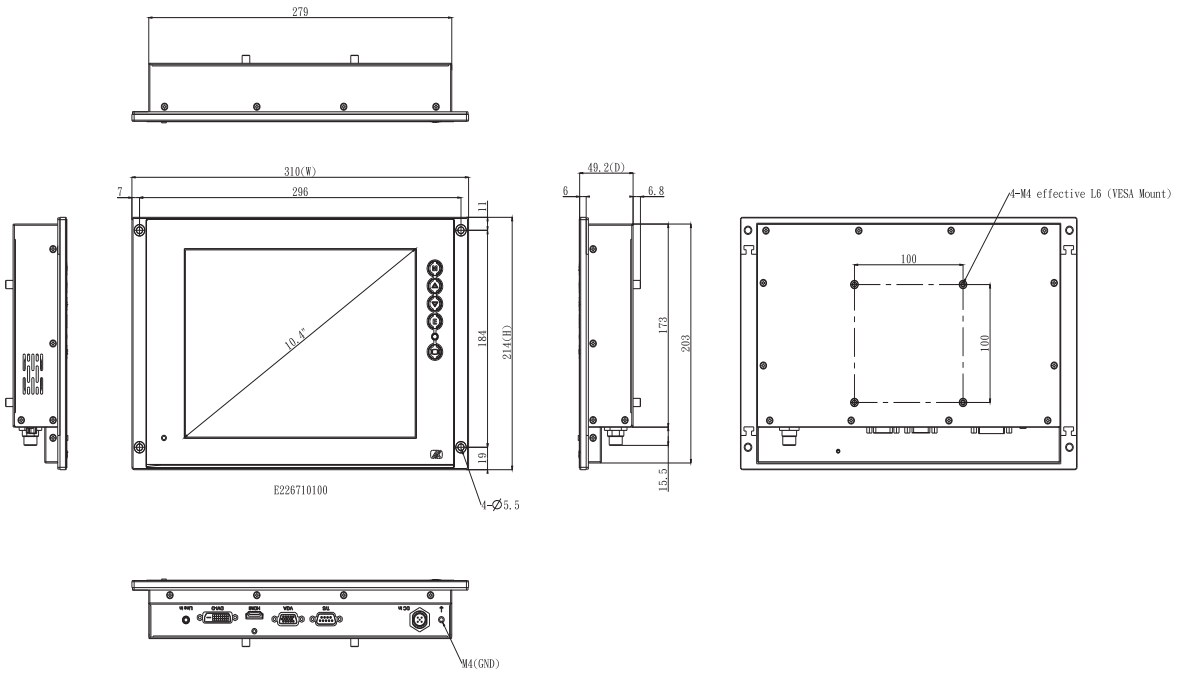
| | |
|---|---|
| P710-RS1-M<br>(P/N: E226710100) | 10.4" XGA LCD railway touchscreen monitor with 24-110 VDC power input |

*Specifications and certifications may vary based on different requirements.

## Packing List

1 x P710 unit
1 x RS-232 cable (for resisitve touch)
1 x HDMI bracket
1 x Cable tie
1 x Cable clamp
2 x Screw M3*5L

## Dimensions





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# Assured Systems

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