P6125
12.1” XGA TFT EN 50155 Railway Touch Display (-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 800 nits
- VGA, DVI-D and HDMI with multiple video inputs
- Light sensor for auto-dimming
- 24 VDC to 110 VDC power input
- -25°C to +55°C wide temperature range
- Supports 5 OSD keys on the front panel

Introduction

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

Wide Temperature (-25°C to +55°C)

The 10.4-inch EN50155 compliant railway touch 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.

High brightness 500 nits 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 EN 50155 class T1 compliance, the Axiomtek rugged 12.1” railway touch display can work perfectly on the train.

Specifications

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<th>Front Bezel</th>
<th>NEMA 4/12 (IP65)-compliant, metal front bezel</th>
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<td>LCD Panel</td>
<td>Display Type 12.1” TFT XGA LCD</td>
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<tr>
<td></td>
<td>Max. Resolution 1024 x 768</td>
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<td></td>
<td>Max. Colors 16.7M/262k</td>
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<td></td>
<td>Active Area (mm) 210.4 (H) x 157.8 (V)</td>
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<td></td>
<td>Pixel Pitch (mm) 0.0685 (H) x 0.2055 (V)</td>
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<tr>
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<td>Response Time 25ms</td>
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<td>Backlight LED</td>
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<td>Backlight MTBF 50,000 hrs</td>
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<td></td>
<td>Viewing Angle 176°/176°</td>
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<td></td>
<td>Contrast Ratio 1000 (TYP)</td>
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<td></td>
<td>Brightness 800 nits</td>
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<td>Display Control</td>
<td>OSD (on screen display)</td>
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<tr>
<td>Display Mode</td>
<td>VGA 640 x 480 (60/72 Hz)</td>
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<td>SVGA 800 x 600 (60/72 Hz)</td>
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<td>XGA 1024 x 768 (60/72 Hz)</td>
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<td>Input Signal</td>
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<td>RS-232 for touchscreen and IR remote control</td>
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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 DC power input |
| 1 x VGA |
| 1 x Line-in |

| Power Supply | 24 VDC 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 compliance |

Ordering Information

| P6125PR | 12.1" XGA railway touch display with 24 VDC to 110 VDC power input |

*Specifications and certifications may vary based on different requirements.

Optional Accessories

| 5946203800E | HDMI cable |
| 5946173400E | DVI cable |

Packing List

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