

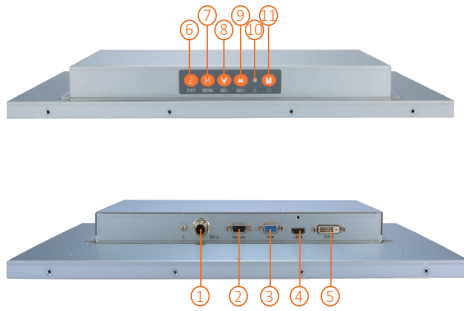
P7180 NEW

18.5" Full HD Open Frame Railway Monitor for Passenger Information System (PIS)



Features

- EN 50155 compliance
- 18.5" Full HD TFT LCD
- Wide viewing angle and high brightness of 500 nits
- HDMI, DVI-D, and VGA video inputs
- Wide power input range of 24 to 110 VDC
- Supports VESA mount (100 x 100 mm)
- -25°C to +55°C wide operating temperature range
- Supports 5 OSD keys



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|----------------------------|----------|------------------|
| 1. DC power input | 5. DVI-D | 9. SEL+ |
| 2. RS-232 (remote control) | 6. Exit | 10. Power LED |
| 3. VGA | 7. Menu | 11. Power switch |
| 4. HDMI | 8. SEL- | |



Introduction

The P7180 is an EN 50155 compliant slim-type monitor that features an 18.5-inch Full HD TFT LCD display with 500 nits of brightness. It supports multiple video input interfaces, including HDMI, DVI-D, and VGA. With its compact design and support for VESA mounting, the P7180 is suitable for Passenger Information Systems (PIS) in railway environments.

Wide Temperature (-25°C to +55°C) & Wide DC Power Input

The P7180 supports a wide temperature range from -25°C to +55°C, making it suitable for harsh environments. Its fanless cooling system and wide range power input of 24V to 110V DC are ideal for railway applications and other demanding environments.

High-brightness 500 nits with Wide Viewing Angle

The railway-grade P7180 features an 18.5-inch TFT LCD display with 500 nits of brightness. Its wide viewing angle feature allows passengers to easily view information from any angle.

Anti-vibration for Railway

With its anti-vibration design and compliance with EN 50155 and EN 61373 Cat. 1 Class B standards, this rugged 18.5-inch railway monitor can operate flawlessly on rolling stock.

Specifications

Mounting	VESA mount (100 x 100 mm)	
LCD Panel	Display	18.5" TFT LCD
	Max. Resolution	1920 x 1080
	Max. Colors	16.7M colors (8-bit)
	Active Area (mm)	408.96 (H) x 203.04 (V)
	Pixel Pitch (mm)	0.213 x 0.213
	Response Time	20ms
	Backlight	LED
	Viewing Angle (H/V)	178°/178°
	Contrast Ratio	1000 (TYP.)
	Brightness (cd/m ²)	500 nits
Display Control	OSD (on screen display)	
Display Mode	720x400 70Hz	
	640x480 60Hz/72Hz/75Hz	
	800x600 56Hz/60Hz/72Hz/75Hz	
	1024x768 60Hz/70Hz/75Hz	
	1280x720 60Hz	
	1280x1024 60Hz/75Hz	
	1360x768 60Hz	
	1440x900 60Hz	
	1600x900 60Hz	
	1680x1050 60Hz	
1920x1080 60Hz		
Input Signal	HDMI	
	VGA	
	DVI-D	
I/O Connectors	1 x M12 A-coded Male 5-pin DC-in	
	1 x Remote control	
	1 x DVI-D	
	1 x VGA	
	1 x HDMI	
Power Supply	24 to 110 VDC	
Dimensions	442.6 mm (17.43") (W) x 46.2 mm (1.82") (D) x 266.8 mm (10.5") (H)	
Packing Dimensions	575 mm (22.63") (W) x 170 mm (6.69") (D) x 460 mm (18.11") (H)	
Weight (net/gross)	3.41 kg (7.5 lb) / 4.81 kg (10.6 lb)	
Operating Temperature	-25°C to +55°C (-13°F to +131°F)	
Relative Humidity	0% - 95%@ 45°C-non condensing	
Certifications	CE, FCC, EN 50155 compliant	

Ordering Information

P7180-1-M (P/N: E226718100)	18.5" Full HD open frame railway monitor with 24 to 110 VDC power input for passenger information system
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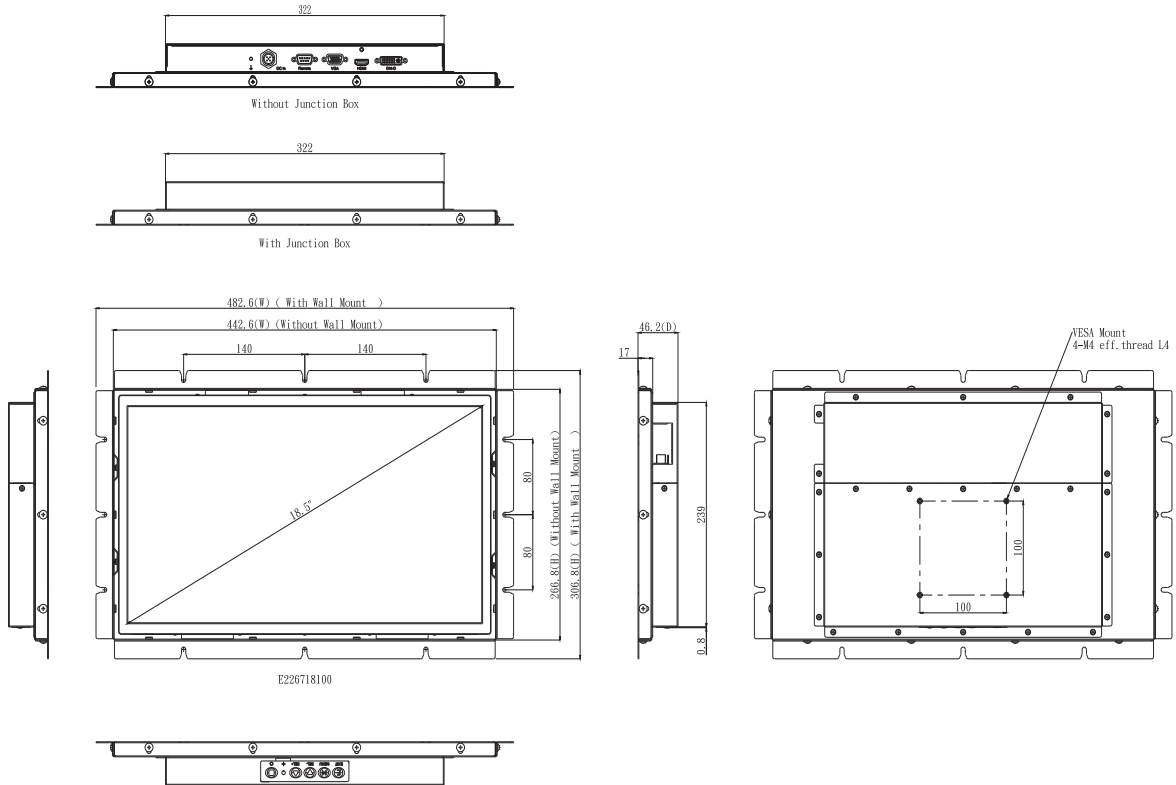
Packing List

1 x P7180 unit
1 x HDMI bracket
1 x Cable tie
1 x Screw M3*5L

Optional Accessories

594B8120B30E	DC in cable M12 female 5P 180cm w/o ACC
E29R188100	ACC188-7180-01 JCBOXK (Junction Box Kit)
E29R188101	ACC188-7180-02 WMK (Wall Mount Kit)
509000002200	PWS 9NA0908344 FSP 90W (AC to DC Adapter with M12 Connector)

Dimensions



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660