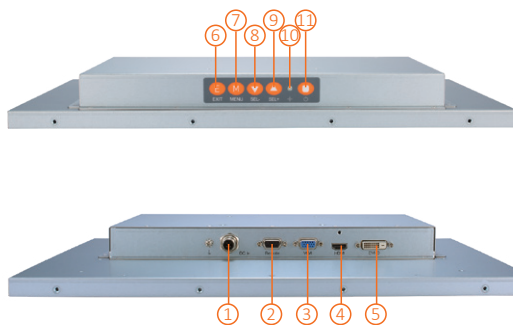# P7180 NEW

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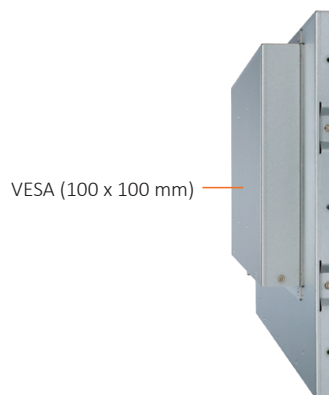
Features

- 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

VESA (100 x 100 mm)

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 P718O 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 P718O is suitable for Passenger Information Systems (PIS) in railway environments.

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

The P718O 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 P718O 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

P718O-1-M (P/N: E226718100)	18.5" Full HD open frame railway monitor with 24 to 110 VDC power input for passenger information system

Packing List

1 x P718O 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	ACC188-718O-01 JCBOXK (Junction Box Kit)
E29R188101	ACC188-718O-02 WMK (Wall Mount Kit)
509000002200	PWS 9NA0908344 FSP 90W (AC to DC Adapter with M12 Connector)

Dimensions

322

Without Junction Box

322

With Junction Box

482.6(W) (With Wall Mount)
442.6(W) (Without Wall Mount)
140   140

18.5"

266.8(H) (Without Wall Mount)
306.8(H) (With Wall Mount)

80

80

E226718100

46.2(D)

17

239

0.8

VESA Mount
4-M4 eff.thread L4

100

100