P7180 NEW

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

VESA (100 x 100 mm)
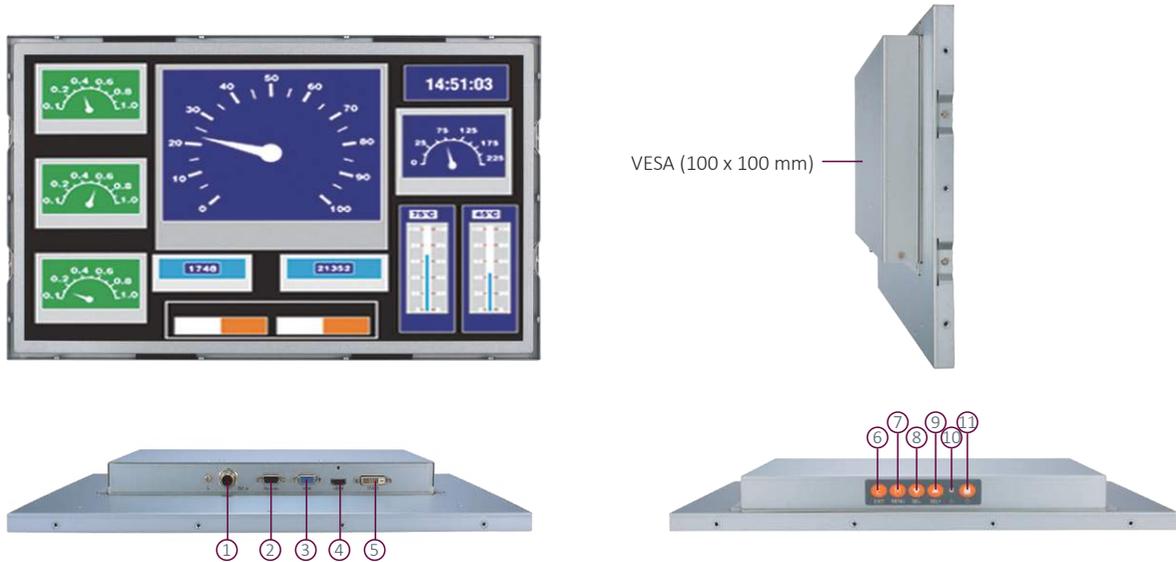
1. DC power input
2. RS-232 (remote control)
3. VGA
4. HDMI
5. DVI-D
6. Exit
7. Menu
8. SEL-
9. SEL+
10. Power LED
11. Power switch

EN 50155 | Wide Temp.

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)
- Operating temperature ranges from -25°C to +55°C
- Supports 5 OSD keys

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	720 x 400 70 Hz 640 x 480 60/72/75 Hz 800 x 600 56/60/72/75 Hz 1024 x 768 60/70/75 Hz 1280 x 720 60 Hz 1280 x 1024 60/75 Hz 1360 x 768 60 Hz 1440 x 900 60 Hz 1600 x 900 60 Hz 1680 x 1050 60 Hz 1920 x 1080 60 Hz	
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 (W x D x H)	442.6 x 46.2 x 266.8 mm (17.43" x 1.82" x 10.5")	
Packing Dimensions (W x D x H)	575 x 170 x 460 mm (22.63" x 6.69" x 18.11")	
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% to 95% relative humidity @ +45°C-non condensing	
Certifications	CE, FCC, and 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 180 cm 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) (With 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