

SIMATIC IFP1200, Flat Panel 12" display (16:10), Touch, Standard up to 5 m, 1280x 800 pixels, for 24 V DC, display port/DVI interface incl. DVI/USB cable 1.8 m



### General information

Product type designation	IFP1200
Short designation	Flat Panel 12" touch

### Display

Screen diagonal	12.1 in
Display width	261 mm
Display height	163 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	170° x 170°

Resolution (pixels)	
• Horizontal image resolution	1 280 Pixel
• Vertical image resolution	800 Pixel

General features	
• Brightness/contrast	400 cd/m <sup>2</sup> / 1 000:1
• Luminance	400 cd/m <sup>2</sup>

Backlighting	
• Type of backlighting	LED

- MTBF backlighting (at 25 °C) 50 000 h; At 25°C
- Backlight dimmable Yes; 5-100 %

### Control elements

Input device	
• Integrated mouse cursor control	No
Keyboard fonts	
• Function keys	No
— Number of function keys	0
Touch operation	
• Design as touch screen	Yes

### Installation type/mounting

Built-in unit	Yes
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°

### Supply voltage

Type of supply voltage	DC
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V

### Power loss

Power loss, typ.	40 W
Power loss, max.	65 W

### Interfaces

Video interfaces	
• analog video signal (VGA)	No
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes

### Degree and class of protection

IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
• Enclosure Type 4 at the front	Yes

### Standards, approvals, certificates

CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	
• ATEX Zone 22	No

• FM Class I Division 2	No
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
• Polski Rejestr Statkow (PRS)	No
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	50 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Vibrations</b>	
• Vibration load in operation	10 m/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>
<b>Shock testing</b>	
• Shock load during operation	150 m/s <sup>2</sup>
• Shock load during transport/storage	150 m/s <sup>2</sup>
<b>Mechanics/material</b>	
<b>Enclosure material (front)</b>	
• Aluminum	Yes
<b>Dimensions</b>	
Width of the housing front	330 mm
Height of housing front	241 mm
Mounting cutout, width	310 mm; Tolerance: +1 mm
Mounting cutout, height	221 mm; Tolerance: +1 mm
Overall depth	76 mm
<b>Weights</b>	
Weight without packaging	2.65 kg
Weight incl. packaging	3.5 kg
<b>last modified:</b>	05/09/2020