

SIMATIC IFP2200 V2 Extended, 22" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



Figure similar

General information	
Product type designation	IFP2200 V2
Short designation	SIMATIC IFP2200 V2 ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	21.5 in; 22"
Screen diagonal [cm]	56 cm
Display width	476 mm
Display height	268 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)	
• Image resolution	1 920 x 1 080
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
• Pixel size, horizontal	0.2475 mm
• Pixel size, vertical	0.2475 mm
General features	
• Brightness/contrast	250 cd/m <sup>2</sup> / 1 000:1
• Detachable from computer unit	100 m; HDBaseT protocol
• Luminance	250 cd/m <sup>2</sup>
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Input device	
• Integrated mouse cursor control	Yes; Also externally via USB
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes; If supported by operating system
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	Yes; VESA 100 x 100 integrated
Mounting in portrait format possible	Yes

Mounting in landscape format possible	Yes
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
<b>Supply voltage</b>	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
<b>Input current</b>	
Current consumption (rated value)	1 A
Current consumption, max.	1.3 A
Inrush current, max.	2 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·s
<b>Power loss</b>	
Power loss, typ.	24 W
Power loss, max.	30 W
<b>Interfaces</b>	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
<b>Video interfaces</b>	
<ul style="list-style-type: none"> <li>• DVI-D</li> <li>• DisplayPort</li> </ul>	<p>No</p> <p>Yes; Display port V1.2</p>
<b>Touch interfaces</b>	
<ul style="list-style-type: none"> <li>• USB</li> </ul>	Yes
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
<ul style="list-style-type: none"> <li>• Enclosure Type 4 at the front</li> <li>• Enclosure Type 4x at the front</li> <li>• Enclosure Type 12 at the front</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
<b>Standards, approvals, certificates</b>	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
FM approval	Yes; Class I Div. 2
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
<b>Ecological footprint</b>	
<ul style="list-style-type: none"> <li>• environmental product declaration</li> </ul>	Yes
<b>Global warming potential</b>	
— global warming potential, (total) [CO <sub>2</sub> eq]	424.98835 kg
— global warming potential, (during production) [CO <sub>2</sub> eq]	90.85845 kg
— global warming potential, (during operation) [CO <sub>2</sub> eq]	347.89539 kg
— global warming potential, (after end of life cycle) [CO <sub>2</sub> eq]	-16.20242 kg
<b>Use in hazardous areas</b>	
<ul style="list-style-type: none"> <li>• ATEX Zone 2</li> <li>• ATEX Zone 22</li> <li>• IECEx Zone 2</li> <li>• IECEx Zone 22</li> <li>• FM Class I Division 2</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
<b>Marine approval</b>	
<ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> <li>• American Bureau of Shipping (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>

• Nippon Kaiji Kyokai (Class NK) Yes

**Ambient conditions**

Ambient temperature during operation

- min. 0 °C
- max. 45 °C

Ambient temperature during storage/transportation

- min. -20 °C
- max. 60 °C

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 3 500 m

Relative humidity

- Operation, max. 90 %; no condensation

Vibrations

- Vibration load in operation 10 m/s<sup>2</sup>
- Vibration load during transport/storage 10 m/s<sup>2</sup>

Shock testing

- Shock load during operation 150 m/s<sup>2</sup>
- shock acceleration during storage/transport 250 m/s<sup>2</sup>

**Mechanics/material**

Enclosure material (front)

- Aluminum Yes
- Aluminum casting Yes
- Glass Yes; at front

Enclosure material (rear)

aluminum

**Dimensions**

Width of the housing front	529 mm
Height of housing front	331 mm
Mounting cutout, width	513 mm; Tolerance: +1 mm
Mounting cutout, height	315 mm; Tolerance: +1 mm
Overall depth	63.4 mm

**Weights**

Weight (without packaging)	6.4 kg
Weight (with packaging)	8.4 kg

**Classifications**

	Version	Classification
eClass	14	19-20-02-01
eClass	12	19-20-02-01
eClass	9.1	19-20-02-01
eClass	9	19-20-02-01
eClass	8	19-20-02-01
eClass	7.1	19-20-02-01
eClass	6	19-20-02-01
ETIM	10	EC004862
ETIM	9	EC001428
ETIM	8	EC001428
ETIM	7	EC001428
IDEA	4	6675
UNSPSC	15	43-21-19-02

**Approvals / Certificates**

General Product Approval



[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval

EMV

For use in hazardous locations



[BIS CRS](#)



For use in hazardous locations

Maritime application

[EM](#)



[Miscellaneous](#)



[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)



Environment



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