

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, neutral design



General information	
Product type designation	IFP2200
Short designation	SIMATIC IFP2200 V2
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)	
<ul style="list-style-type: none"> <li>Image resolution</li> </ul>	1 920 x 1 080
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>	1 920 pixel
<ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>	1 080 pixel
<ul style="list-style-type: none"> <li>Pixel size, horizontal</li> </ul>	0.2475 mm
<ul style="list-style-type: none"> <li>Pixel size, vertical</li> </ul>	0.2475 mm
General features	
<ul style="list-style-type: none"> <li>Brightness/contrast</li> </ul>	250 cd/m <sup>2</sup> / 1 000:1
<ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>	100 m; HDBaseT protocol
<ul style="list-style-type: none"> <li>Luminance</li> </ul>	250 cd/m <sup>2</sup>
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED
<ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h; At 25°C
<ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Input device	
<ul style="list-style-type: none"> <li>Integrated mouse cursor control</li> </ul>	Yes; Also externally via USB
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	Yes; Projective-capacitive
<ul style="list-style-type: none"> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive
<ul style="list-style-type: none"> <li>Monitor keyboard</li> </ul>	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>	
• DVI-D	No
• DisplayPort	Yes; Display port V1.2
<b>Touch interfaces</b>	
• USB	Yes
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
<b>NEMA (front)</b>	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes
• Enclosure Type 12 at the front	Yes
<b>Standards, approvals, certificates</b>	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes
FM approval	Yes; Class I Div. 2
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• FM Class I Division 2	Yes
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	45 °C
<b>Ambient temperature during storage/transportation</b>	

• min.	-20 °C
• max.	60 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	3 500 m
<b>Relative humidity</b>	
• Operation, max.	90 %; no condensation
<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 acceleration during storage/transport	250 m/s <sup>2</sup>
<b>Mechanics/material</b>	
Enclosure material (front)	With neutral design
• Aluminum	Yes
• Aluminum casting	Yes
• Glass	Yes; at front
Enclosure material (rear)	aluminum
<b>Dimensions</b>	
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
<b>Weights</b>	
Weight (without packaging)	6.4 kg
Weight (with packaging)	8.4 kg
<b>last modified:</b>	10/13/2021 