

SIMATIC IFP2200 V2, 22" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, display port/DVI interface, including DP/USB cable 1.8 m, on the rear USB, standard design



Figure similar

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
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 ² / 1 000:1
• Detachable from computer unit	5 m
• Luminance	250 cd/m ²
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
Keyboard fonts	
• Function keys	No
— Number of function keys	0
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°
Supply voltage	
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
Input current	
Current consumption (rated value)	1 A
Current consumption, max.	1.3 A
Inrush current, max.	2 A
Starting current inrush I ² t	0.5 A ² ·s
Power loss	
Power loss, typ.	24 W
Power loss, max.	30 W
Interfaces	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Video interfaces	
<ul style="list-style-type: none"> analog video signal (VGA) 	No
<ul style="list-style-type: none"> DVI-D 	Yes
<ul style="list-style-type: none"> DisplayPort 	Yes; Display port V1.2
Touch interfaces	
<ul style="list-style-type: none"> USB 	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
<ul style="list-style-type: none"> Enclosure Type 4 at the front 	Yes
<ul style="list-style-type: none"> Enclosure Type 4x at the front 	Yes
<ul style="list-style-type: none"> Enclosure Type 12 at the front 	Yes
Standards, approvals, certificates	
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
Use in hazardous areas	
<ul style="list-style-type: none"> ATEX Zone 2 	Yes; Available soon
<ul style="list-style-type: none"> ATEX Zone 22 	Yes; Available soon
<ul style="list-style-type: none"> IECEx Zone 2 	Yes; Available soon
<ul style="list-style-type: none"> IECEx Zone 22 	Yes; Available soon
<ul style="list-style-type: none"> FM Class I Division 2 	Yes; Available soon
Marine approval	
<ul style="list-style-type: none"> Germanischer Lloyd (GL) 	Yes; Available soon
<ul style="list-style-type: none"> American Bureau of Shipping (ABS) 	Yes; Available soon
<ul style="list-style-type: none"> Bureau Veritas (BV) 	Yes; Available soon
<ul style="list-style-type: none"> Det Norske Veritas (DNV) 	Yes; Available soon
<ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) 	Yes; Available soon
<ul style="list-style-type: none"> Nippon Kaiji Kyokai (Class NK) 	Yes; Available soon
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 ²
• Vibration load during transport/storage	10 m/s ²
Shock testing	
• Shock load during operation	150 m/s ²
• shock acceleration during storage/transport	250 m/s ²
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
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