SIEMENS

Data sheet



*** spare part *** SIMATIC IFP2200, Flat Panel 22" display (16: 9), multitouch, extended version up to 30 m, 1920x 1080 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface, incl. DVI/USB cable 1.8 m, Marine approval

Product type designation Short designation Filat Panel 22* multi-touch ext. marine Display Design of display TFT widescreen display, LED backlighting Screen diagonal Screen diagonal Screen diagonal Display width 476 mm Display height 288 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 I 1920 x 1 080 Horizontal image resolution Pixel size, horizontal Pixel size, vertical Ceneral features Brightness/contrast non-reflective and tempered mineral glass screen Detachable from computer unit Luminance Backlighting Type of backlighting (at 25 °C) Backlighting (at 25 °C) Backlighting (at 25 °C) Backlighting thing interest multi-touch screen Integrated mouse cursor control No Touch operation Design as bouch screen Yes Projective-capacitive Wes Monitor keyboard Pes Built-in unit Yes Portrait mode possible maximum permitted forward tilt angle from vertical 36*	General information	
Display Design of display Screen diagonal Screen diagonal Screen diagonal Display width Display height	Product type designation	IFP2200
Design of display Screen diagonal Screen diagonal Display width Display width Display height On Screen Display (OSD) configuration No Adjustable by means of software Number of colors 16 777 216; 24 bit 170" x 170" Resolution (pixels) Inage resolution Vertical image resolution Vertical image resolution Vertical image resolution Pixel size, horizontal Pixel size, vertical Ceneral features Brightness/contrast In onon-reflective and tempered mineral glass screen Detachable from computer unit Luminance Backlighting Type of backlighting (at 25 °C) Backlighting (at 25 °C) Backlighting (at 25 °C) Backlight dimmable Control elements Integrated mouse cursor control No Touch operation Pession Design as louch screen Yes; Projective-capacitive Monitor keyboard Yes; Portrait mode possible	Short designation	Flat Panel 22" multi-touch ext. marine
Screen diagonal 21.5 in; 22"	Display	
Screen diagonal [cm]	Design of display	TFT widescreen display, LED backlighting
Display width Display height Display height Display height Display height 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 Horizontal image resolution Horizontal image resolution Pixel size, horizonta Pixel size, vertical Display (Osd) Display (Osd) Pixel size, vertical Display (Osd) Display	Screen diagonal	21.5 in; 22"
Display height 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 Horizontal image resolution Vertical image resolution Pixel size, horizontal Pixel size, horizontal Pixel size, vertical Display (Sontrast Pixel size, vertical Display (Sontrast Disp	Screen diagonal [cm]	56 cm
On Screen Display (OSD) configuration Number of colors 16 777 216; 24 bit Viewing angle 170" x 170" Resolution (pixels) Image resolution Horizontal image resolution Horizontal image resolution Pixel size, horizontal Pixel size, horizontal Pixel size, vertical O.2475 mm O.2475 mm General features Brightness/contrast Detachable from computer unit Luminance Detachable from computer unit Luminance Backlighting Type of backlighting (at 25 °C) Backlight dimmable Control elements Control elements Input device Integrated mouse cursor control Design as touch screen Monitor keyboard Pess Built-in unit Pess Buitt-in unit Pess Buitt-i	Display width	476 mm
Number of colors	Display height	268 mm
Viewing angle Resolution (pixels) Image resolution Horizontal image resolution Vertical image resolution Pixel size, horizontal Pixel size, vertical General features Brightness/contrast Ocad/m² / 1 000:1 Page discontrast Oc	On Screen Display (OSD) configuration	No; Adjustable by means of software
Resolution (pixels) Image resolution Horizontal image resolution Pixel size, horizontal Pixel size, horizontal Pixel size, horizontal Pixel size, vertical O.2475 mm General features Brightness/contrast Pixel size, vertical Pixel size, v	Number of colors	16 777 216; 24 bit
Image resolution Horizontal image resolution Pixel size, horizontal Pixel size, vertical General features Brightness/contrast Potachable from computer unit Luminance Pixel size, vertical Pesacklighting Type of backlighting Type of backlighting Type of backlighting (at 25 °C) Backlight dimmable Control elements Control elements Input device Integrated mouse cursor control Mo Touch operation Pesign as touch screen Monitor keyboard Yes Built-in unit Pixel Size, vertical Pixel Size, ve	Viewing angle	170° x 170°
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Pixel size, horizontal Pixel size, vertical O.2475 mm General features Brightness/contrast O.250 cd/m² / 1 000:1 non-reflective and tempered mineral glass screen Detachable from computer unit Uminance Uminance Detachable from computer unit Uminance Uminance Detachable from computer unit Uminance U	 Horizontal image resolution 	1 920 pixel
Pixel size, vertical General features Brightness/contrast onon-reflective and tempered mineral glass screen Detachable from computer unit Uminance Backlighting Type of backlighting Type of backlighting (at 25 °C) Backlight dimmable Control elements Control elements Input device Integrated mouse cursor control Design as touch screen Monitor keyboard Pesign Built-in unit Pesign Built-in unit Pesign as touch screen Built-in unit Pesign as built-in unit Pesign as built-in	 Vertical image resolution 	1 080 pixel
General features Brightness/contrast non-reflective and tempered mineral glass screen Detachable from computer unit Uminance Backlighting Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Control elements Control elements Control elements Input device Integrated mouse cursor control Design as touch screen Monitor keyboard Yes Built-in unit Yes Built-in unit Yes Possible Yes Yes Yes Yes Yes Yes Yes Y	 Pixel size, horizontal 	0.2475 mm
Brightness/contrast In non-reflective and tempered mineral glass screen Detachable from computer unit Eluminance Backlighting Type of backlighting Type of backlighting (at 25 °C) Backlight dimmable Control elements Control elements Input device Integrated mouse cursor control Design as touch screen Monitor keyboard Design Design Built-in unit Yes Post Condm² 1000:1 Yes 250 cd/m² Yes 30 m 250 cd/m² 250 cd/m² 1000:1 Yes 50 000 h; At 25 °C 50 000 h; At 25 °C Yes; 0-100 % Control elements multi-touch screen multi-touch screen No Touch operation Pesign as touch screen Yes; Projective-capacitive Yes Installation type/mounting Design Built-in unit Yes Portrait mode possible	Pixel size, vertical	0.2475 mm
• non-reflective and tempered mineral glass screen • Detachable from computer unit • Luminance • Luminance • Type of backlighting • Type of backlighting • MTBF backlighting (at 25 °C) • Backlight dimmable • Yes; 0-100 % Control elements Control elements Input device • Integrated mouse cursor control No Touch operation • Design as touch screen • Monitor keyboard Design Design Built-in unit Yes Portrait mode possible	General features	
Detachable from computer unit Luminance Backlighting Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Control elements Control elements Input device Integrated mouse cursor control Touch operation Design as touch screen Installation type/mounting Design Built-in unit Yes Built-in unit Yes Poded Afrec 250 cd/m² LED 50 000 h; At 25 °C 79 000 h; At 25 °C 79 000 h; At 25 °C 10 000 h;	 Brightness/contrast 	250 cd/m² / 1 000:1
Luminance Backlighting Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes; 0-100 % Control elements Control elements Input device Integrated mouse cursor control No Touch operation Design as touch screen Pesign Monitor keyboard Pesign Built-in unit Front mounting Built-in unit Yes; Portrait mode possible	 non-reflective and tempered mineral glass screen 	Yes
Backlighting Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes; 0-100 % Control elements Control elements Input device Integrated mouse cursor control Touch operation Design as touch screen Installation type/mounting Design Built-in unit Yes Portrait mode possible	 Detachable from computer unit 	30 m
 Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes; 0-100 % Control elements Input device Integrated mouse cursor control No Touch operation Design as touch screen Monitor keyboard Monitor keyboard Yes Installation type/mounting Design Built-in unit Yes Portrait mode possible Built-in unit Yes; Portrait mode possible 	Luminance	250 cd/m ²
 MTBF backlighting (at 25 °C) Backlight dimmable Yes; 0-100 % Control elements Input device Integrated mouse cursor control No Touch operation Design as touch screen Monitor keyboard Monitor keyboard Monitor keyboard Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Built-in unit mode possible Yes; Portrait mode possible	Backlighting	
Backlight dimmable Yes; 0-100 % Control elements Control elements Input device Input device Integrated mouse cursor control Touch operation Design as touch screen Installation type/mounting Design Built-in unit Front mounting Built-in unit Yes; Portrait mode possible	 Type of backlighting 	LED
Control elements Control elements Input device Input de	 MTBF backlighting (at 25 °C) 	50 000 h; At 25°C
Control elements Input device Input device Integrated mouse cursor control No Touch operation Design as touch screen Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Built-in unit Yes; Projective-capacitive Yes Built-in unit Yes Fortrait mode possible	 Backlight dimmable 	Yes; 0-100 %
Input device Integrated mouse cursor control Induction operation Design as touch screen Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Built-in unit Yes; Projective-capacitive Yes Built-in unit Yes	Control elements	
 Integrated mouse cursor control Touch operation Design as touch screen Monitor keyboard Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Built-in unit Yes; Portrait mode possible 	Control elements	multi-touch screen
Touch operation	Input device	
 Design as touch screen Monitor keyboard Installation type/mounting Design Front mounting Built-in unit Yes Built-in unit Yes; Projective-capacitive Yes 	Integrated mouse cursor control	No
● Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Built-in unit Yes Portrait mode possible	Touch operation	
Installation type/mounting Design Built-in unit Front mounting Yes Built-in unit Yes; Portrait mode possible	 Design as touch screen 	Yes; Projective-capacitive
Design Built-in unit Front mounting Yes Built-in unit Yes; Portrait mode possible	Monitor keyboard	Yes
Front mounting Built-in unit Yes Portrait mode possible	Installation type/mounting	
Built-in unit Yes; Portrait mode possible	Design	Built-in unit
- '	Front mounting	Yes
maximum permitted forward tilt angle from vertical 35°	Built-in unit	Yes; Portrait mode possible
	maximum permitted forward tilt angle from vertical	35°

maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	AC/DC
Rated value (DC) permissible range, lower limit (DC)	24 V; PELV 19.2 V
	28.8 V
permissible range, upper limit (DC)	
Rated value (AC)	100 V; Up to 240V, 50/60 Hz
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• 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
Enclosure Type 4x at the front	Yes
Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	165
ATEX Zone 2	Yes; Available soon
• ATEX Zone 22	Yes; Available soon
• FM Class I Division 2	No
Marine approval	INU
	Voc
Germanischer Lloyd (GL) American Burgau of Shipping (ABS)	Yes Yes
American Bureau of Shipping (ABS) Puragu Veritos (BV)	
Bureau Veritas (BV) Det Nerska Veritas (DNV)	Yes
Det Norske Veritas (DNV) Lloyde Register of Shipping (LRS)	Yes
Lloyds Register of Shipping (LRS) Nimper (Giii Kunksi (Clean NK))	Yes
Nippon Kaiji Kyokai (Class NK)	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
Operation, max.	95 %; no condensation
Vibrations	
 Vibration load in operation 	10 m/s²
 Vibration load during transport/storage 	10 m/s²
Shock testing	
Shock load during operation	150 m/s ²
 shock acceleration during storage/transport 	150 m/s ²
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Mechanics/material	
Enclosure material (front)	
• Glass	Yes
Dimensions	
Width of the housing front	560 mm
Height of housing front	380 mm
Mounting cutout, width	542 mm; Tolerance: +1 mm
Mounting cutout, height	362 mm; Tolerance: +1 mm
Overall depth	62.5 mm
Weights	
Weight (without packaging)	6.5 kg
Weight (with packaging)	7.6 kg

last modified: 12/16/2020 ☑