



Figure similar

SIMATIC IFP1200 V2 extended; 12" multi-touch display (16:10) with 1280x800 pixel resolution; built-in unit for 24 V DC, display port interface, can be placed up to 100 m away HDBaseT; USB on the rear side; standard design

General information	
Product type designation	IFP1200 V2
Short designation	Flat Panel 12" multi-touch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	12.1 in
Screen diagonal [cm]	30.7 cm
Display width	261.1 mm
Display height	163.2 mm
On Screen Display (OSD) configuration	No
Number of colors	16 777 216; 24 bit
Viewing angle	176° x 176°
Resolution (pixels)	
• Image resolution	1 280 x 800
• Horizontal image resolution	1 280 pixel
• Vertical image resolution	800 pixel
• Pixel size, horizontal	0.204 mm
• Pixel size, vertical	0.204 mm
General features	
• Brightness/contrast	400 cd/m ² / 800:1
• Detachable from computer unit	100 m; HDBaseT protocol
• Luminance	400 cd/m ²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	70 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
Control elements	
Input device	
• Integrated mouse cursor control	Yes; Also externally via USB
Touch operation	
• Design as touch screen	Yes
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
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	35°
maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V; PELV / SELV floating
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	0.65 A
Current consumption, max.	1 A
Starting current inrush I _{st}	0.5 A ² s
Power loss	
Power loss, typ.	15 W
Power loss, max.	25 W
Interfaces	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• DisplayPort	Yes; Display port V1.2
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	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes; Corresponds to UL 508
FM approval	Yes; in preparation
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Ecological footprint	
• environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO ₂ eq]	281.17875 kg
— global warming potential, (during production) [CO ₂ eq]	57.74565 kg
— global warming potential, (during operation) [CO ₂ eq]	233.02427 kg
— global warming potential, (after end of life cycle) [CO ₂ eq]	-10.86766 kg
Use in hazardous areas	
• ATEX Zone 2	Yes; in preparation
• ATEX Zone 22	Yes; in preparation
• IECEx Zone 2	Yes; in preparation
• IECEx Zone 22	Yes; in preparation
• FM Class I Division 2	Yes
Marine approval	
• Germanischer Lloyd (GL)	Yes; In application process
• American Bureau of Shipping (ABS)	Yes; In application process
• Bureau Veritas (BV)	Yes; In application process

<ul style="list-style-type: none">• Det Norske Veritas (DNV)• Lloyds Register of Shipping (LRS)• Nippon Kaiji Kyokai (Class NK)	Yes; In application process		
	Yes; In application process		
	Yes; In application process		
Ambient conditions			
Ambient temperature during operation			
<ul style="list-style-type: none">• min.	0 °C		
<ul style="list-style-type: none">• max.	50 °C		
Ambient temperature during storage/transportation			
<ul style="list-style-type: none">• min.	-20 °C		
<ul style="list-style-type: none">• max.	60 °C		
Altitude during operation relating to sea level			
<ul style="list-style-type: none">• Installation altitude above sea level, max.	3 500 m		
Relative humidity			
<ul style="list-style-type: none">• Operation, max.	95 %; no condensation		
Vibrations			
<ul style="list-style-type: none">• Vibration load in operation	1 gn		
<ul style="list-style-type: none">• Vibration load during transport/storage	1 gn		
Shock testing			
<ul style="list-style-type: none">• Shock load during operation	15 gn		
<ul style="list-style-type: none">• shock acceleration during storage/transport	15 gn		
Mechanics/material			
Enclosure material (front)	In standard design		
<ul style="list-style-type: none">• Aluminum	Yes		
<ul style="list-style-type: none">• Aluminum casting	Yes		
<ul style="list-style-type: none">• Glass	Yes; at front		
Enclosure material (rear)	aluminum		
Dimensions			
Width of the housing front	326 mm		
Height of housing front	237 mm		
Mounting cutout, width	310 mm; Tolerance: +1 mm		
Mounting cutout, height	221 mm; Tolerance: +1 mm		
mounting depth	62.5 mm		
Weights			
Weight (without packaging)	3 kg		
Weight (with packaging)	4.4 kg		
Classifications			
		Version	Classification
	eClass	16	19-20-02-01
	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](#)

[China RoHS](#)



For use in hazardous locations



[FM](#)



[Miscellaneous](#)

For use in hazardous locations

Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application

Environment

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

[KR \(Korean Register of Shipping\)](#)



last modified:

4/1/2025