



SIMATIC IFP1200 V2 PRO; 12" multi-touch display(16:10) with 1280x800 pixel resolution; PRO variant support arm; 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 PRO
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 <sup>2</sup> / 800:1
• Detachable from computer unit	100 m; HDBaseT protocol
• Luminance	400 cd/m <sup>2</sup>
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	Support arm mounting
Front mounting	No
Support arm mounting	Yes
Built-in unit	No; IP65 fully enclosed
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; 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 <sub>t</sub>	0.5 A <sup>2</sup> ·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)	IP65
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
UL approval	Yes; cULus, cUL
cULus	Yes; Corresponds to UL 508
FM approval	Yes; Available soon
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Use in hazardous areas	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• FM Class I Division 2	No
Marine approval	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
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.	95 %; no condensation
Vibrations	

• Vibration load in operation	1 gn
• Vibration load during transport/storage	1 gn
<b>Shock testing</b>	
• Shock load during operation	15 gn
• shock acceleration during storage/transport	15 gn
<b>Mechanics/material</b>	
Enclosure material (front)	In standard design
• Aluminum	Yes
• Aluminum casting	Yes
• Glass	Yes; at front
Enclosure material (rear)	aluminum
<b>Dimensions</b>	
Width	313 mm
Height	225 mm; Without basic adapter
Depth	100.7 mm
Width of the housing front	313 mm
Height of housing front	225 mm
<b>Weights</b>	
Weight (without packaging)	4 kg
Weight (with packaging)	5.8 kg

**last modified:** 6/13/2023 