SIEMENS

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, neutral design

General information	
Product type designation	IFP1200 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/m² / 800:1
● Detachable from computer unit	100 m; HDBaseT V2.0
● Luminance	400 cd/m²
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 multi-touch screen	Yes; Projective-capacitive
● Monitor keyboard	Yes

Installation type/mounting	
Design	Support arm mounting
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 I²t	0.5 A²·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	
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; 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; Available soon
● ATEX Zone 22	Yes; Available soon
● IECEx Zone 2	Yes; Available soon
● IECEx Zone 22	Yes; Available soon
● FM Class I Division 2	Yes; Available soon
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
● Det Norske Veritas (DNV)	Yes; In application process
● Lloyds Register of Shipping (LRS)	Yes; In application process
● Nippon Kaiji Kyokai (Class NK)	Yes; In application process
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
Shock testing	
● Shock load during operation	15 gn
● shock acceleration during storage/transport	15 gn

Mechanics/material	
Enclosure material (front)	With neutral design
● Aluminum	Yes
● Aluminum casting	Yes
● Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width	313 mm
Height	225 mm; Without basic adapter
Depth	100.7 mm
Weights	
Weight (without packaging)	4 kg
Weight (with packaging)	5.8 kg

last modified:	2/13/2021 ⬈

8.28.2021