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SIMATIC IFP2400 V2 PRO, 24 multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, with operator control, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



Figure similar

General information	
Product type designation	IFP2400 V2 PRO
Short designation	Flat Panel 24" PRO multi-touch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	23.8 in
Screen diagonal [cm]	60.47 cm
Display width	527 mm
Display height	296 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	178° x 178°
Resolution (pixels)	
● Image resolution	1 920 x 1 080
● Horizontal image resolution	1 920 pixel
● Vertical image resolution	1 080 pixel
● Pixel size, horizontal	0.2745 mm
● Pixel size, vertical	0.2745 mm
General features	
● Brightness/contrast	250 cd/m² / 1 000:1
● Detachable from computer unit	100 m; HDBaseT protocol
● Luminance	250 cd/m²
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
Input device	
● Integrated mouse cursor control	Yes; Also externally via USB
Touch operation	
● Design as touch screen	Yes; Projective-capacitive
● 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; Suitable for support arm and extension components (please refer to manual)

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Stand mounting	Yes
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)	1.5 A
Current consumption, max.	1.9 A
Starting current inrush I²t	0.5 A²·s
Power loss	
Power loss, typ.	36 W
Power loss, max.	41 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
Standards, approvals, certificates	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes
FM approval	Available soon
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Marine approval	Available soon
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)	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	

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● 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)	In standard design
● Aluminum	Yes
● Aluminum casting	Yes
● Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width	583 mm
Height	361 mm; Without basic adapter
Depth	162.8 mm; Without basic adapter
Width of the housing front	583 mm
Height of housing front	361 mm
Weights	
Weight (without packaging)	9.9 kg
Weight (with packaging)	11.9 kg

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