SIEMENS

Data sheet

SIMATIC IFP2400 V2 PRO, 24 multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, 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/m ²
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 without extension components
Stand mounting	No

	470
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	45.0
Current consumption (rated value)	1.5 A
Current consumption, max.	1.9 A
Starting current inrush I²t	0.5 A ² ·s
Power loss	00 W
Power loss, typ.	36 W
Power loss, max.	41 W
Interfaces	2: LISP 2.0 type A
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard USB
Connection for keyboard/mouse Video interfaces	000
DisplayPort	Yes; Display port V1.2
Touch interfaces	100, Diopiay port v 1.2
• 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	
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Ambient temperature during operation	0.00
• min.	0 °C
min. max.	0 °C 45 °C
min.max. Ambient temperature during storage/transportation	45 °C
 min. max. Ambient temperature during storage/transportation min. 	45 °C -20 °C
 min. max. Ambient temperature during storage/transportation min. max. 	45 °C
 min. max. Ambient temperature during storage/transportation min. 	45 °C -20 °C

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	93.7 mm; Without basic adapter	
Width of the housing front	583 mm	
Height of housing front	361 mm	
Weights		
Weight (without packaging)	9.2 kg	
Weight (with packaging)	11.2 kg	

last modified:

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