## **SIEMENS**

## **Data sheet**



Figure similar

SIMATIC IFP2400 V2 PRO, 24 multi-touch display (16:9) portrait format with 1080x1920 (portrait) pixels resolution, PRO upright support arm, with operator control, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, neutral design

General information	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	296 mm		
Display height	527 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)			
<ul> <li>Image resolution</li> </ul>	1 080 x 1 920		
<ul> <li>Horizontal image resolution</li> </ul>	1 080 pixel		
<ul> <li>Vertical image resolution</li> </ul>	1 920 pixel		
<ul> <li>Pixel size, horizontal</li> </ul>	0.2745 mm		
Pixel size, vertical	0.2745 mm		
General features			
<ul> <li>Brightness/contrast</li> </ul>	250 cd/m <sup>2</sup> / 1 000:1		
<ul> <li>Detachable from computer unit</li> </ul>	100 m; HDBaseT protocol		
Luminance	250 cd/m <sup>2</sup>		
Backlighting			
<ul> <li>Type of backlighting</li> </ul>	LED		
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h; At 25°C		
<ul> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %		
Control elements			
Control elements	multi-touch screen		
Input device			
Integrated mouse cursor control	Yes; Also externally via USB		
Touch operation			
<ul> <li>Design as touch screen</li> </ul>	Yes; Projective-capacitive		
<ul> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive		
<ul> <li>Monitor keyboard</li> </ul>	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)
Stand mounting	Yes
maximum permitted forward tilt angle from vertical	45°
maximum permitted lockward 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	20.0 V
Current consumption (rated value)	1.5 A
Current consumption, max.	1.9 A
Starting current inrush I²t	0.5 A²·s
Power loss	0.071 0
Power loss, typ.	36 W
Power loss, max.	41 W
Interfaces	71 77
Number of USB interfaces	2: LISB 2.0 type A
USB on the rear	2; USB 2.0 type A Yes: 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	000
DisplayPort	Yes; Display port V1.2
Touch interfaces	100, Diapitay port v 1.2
• USB	Yes
Degree and class of protection	
	IP65
IP (at the front)  IP (rear)	IP65
NEMA (front)	11-00
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
	Yes Yes
EAC (formerly Gost-R)	Yes
EAC (formerly Gost-R) EMC	
EAC (formerly Gost-R) EMC Marine approval	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2
EAC (formerly Gost-R) EMC	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon Yes; Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 2	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • CULus Class I Zone 2, Division 2	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • CULus Class I Zone 2, Division 2  • FM Class I Division 2	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • cULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • cULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; Available soon
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • CULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)  • American Bureau of Shipping (ABS)	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; In application process Yes; In application process
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 22  • IECEx Zone 22  • CULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)  • American Bureau of Shipping (ABS)  • Bureau Veritas (BV)	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon  Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; In application process Yes; In application process Yes; In application process
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • cULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)  • American Bureau of Shipping (ABS)  • Bureau Veritas (BV)  • Det Norske Veritas (DNV)	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon  Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; In application process
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • cULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)  • American Bureau of Shipping (ABS)  • Bureau Veritas (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; In application process
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 2, Division 2 • FM Class I Division 2  Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK)	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; In application process
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • cULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)  • American Bureau of Shipping (ABS)  • Bureau Veritas (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  • Nippon Kaiji Kyokai (Class NK)  Ambient conditions	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; In application process
EAC (formerly Gost-R)  EMC  Marine approval  Use in hazardous areas  • ATEX Zone 2  • ATEX Zone 22  • IECEx Zone 2  • IECEx Zone 22  • CULus Class I Zone 2, Division 2  • FM Class I Division 2  Marine approval  • Germanischer Lloyd (GL)  • American Bureau of Shipping (ABS)  • Bureau Veritas (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  • Nippon Kaiji Kyokai (Class NK)  Ambient conditions  Ambient temperature during operation	Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Available soon Yes; In application process

max. 60 °C  Altitude during operation relating to sea level	• min.	-20 °C
Installation altitude above sea level, max.  Relative humidity Operation, max. 95 %; no condensation  Vibrations  Vibration load in operation Vibration load during transport/storage 1 gn Shock testing Shock load during operation Shock acceleration during storage/transport 15 gn Shock acceleration during storage/transport  Enclosure material (front) Aluminum Season Aluminum Casting Glass Finciosure material (rear) Aluminum Height Sas mm; Without basic adapter  Width of the housing front Height Sas mm Weights  Weight (without packaging)  9.2 kg	• max.	60 °C
Relative humidity  Operation, max.  Operation, max.  Vibrations  Vibration load in operation Vibration load during transport/storage  1 gn  Shock testing  Shock load during operation Shock acceleration during storage/transport  15 gn  Shock acceleration during storage/transport  Enclosure material (front) Aluminum Yes Aluminum Yes Aluminum Casting Glass Yes; at front Enclosure material (rear)  Dimensions  Width 361 mm Height Depth 162.8 mm; Without basic adapter  Width of the housing front Height Sha mm Weights  Weight (without packaging) 9.2 kg	Altitude during operation relating to sea level	
Operation, max.  Operation, max.  Vibrations  Vibration load in operation Vibration load during transport/storage  1 gn  Nock testing  Shock load during operation Shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) Aluminum Yes Aluminum Yes Class Yes; at front Enclosure material (rear)  Dimensions  Width 361 mm Height Depth 162.8 mm; Without basic adapter  Width of the housing front Height of housing front Height of housing front Standard Aluminum  Weights Weight (without packaging) 9.2 kg	<ul> <li>Installation altitude above sea level, max.</li> </ul>	3 500 m
Vibration load in operation 1 gn  Vibration load during transport/storage 1 gn  Shock testing  Shock load during operation 15 gn  Shock load during operation 15 gn  Shock load during storage/transport 15 gn  Wechanics/material  Enclosure material (front) With neutral design  Aluminum Yes  Glass Yes; at front  Enclosure material (rear) aluminum  Dimensions  Width 361 mm  Height 583 mm; Without basic adapter  Depth 162.8 mm; Without basic adapter  Width of the housing front 583 mm  Weights  Weight (without packaging) 9.2 kg	Relative humidity	
Vibration load in operation Vibration load during transport/storage  Shock testing  Shock load during operation Shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) Aluminum Selass Selass Ves; at front Selass Finclosure material (rear)  Dimensions  With Median Selamin, Without basic adapter  Depth Height Depth Height Selamin, Without basic adapter  Width of the housing front Weights Weight (without packaging)  9.2 kg	Operation, max.	95 %; no condensation
Vibration load during transport/storage     Shock testing     Shock load during operation     shock acceleration during storage/transport      Mechanics/material  Enclosure material (front)     Aluminum     Yes     Aluminum casting     Glass     Yes; at front  Enclosure material (rear)  Dimensions  Width     361 mm  Height     Depth     162.8 mm; Without basic adapter  Width of the housing front  Height of housing front  Weights  Weight (without packaging)  9.2 kg	Vibrations	
Shock testing  Shock load during operation Shock acceleration during storage/transport  15 gn  Mechanics/material  Enclosure material (front) Aluminum Sides (Factor of State	<ul> <li>Vibration load in operation</li> </ul>	1 gn
Shock load during operation shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) Aluminum  Dimensions  Width Aluminum  Depth Aluminum Aluminum  D	Vibration load during transport/storage	1 gn
shock acceleration during storage/transport  Mechanics/material  Enclosure material (front)	Shock testing	
Mechanics/material   Enclosure material (front) With neutral design   ● Aluminum Yes   ● Aluminum casting Yes; at front   ● Glass Yes; at front   Enclosure material (rear) aluminum   Dimensions   Width 361 mm   Height 583 mm; Without basic adapter   Depth 162.8 mm; Without basic adapter   Width of the housing front 361 mm   Height of housing front 583 mm   Weights   Weight (without packaging) 9.2 kg	<ul> <li>Shock load during operation</li> </ul>	15 gn
Enclosure material (front)  Aluminum  Aluminum casting  Glass  Glass  Yes; at front  Enclosure material (rear)  Dimensions  Width  Height  Depth  162.8 mm; Without basic adapter  Width of the housing front  Height of housing front  Height of housing front  Weights  Weight (without packaging)  9.2 kg	<ul> <li>shock acceleration during storage/transport</li> </ul>	15 gn
	Mechanics/material	
	Enclosure material (front)	With neutral design
● Glass  Enclosure material (rear)  Dimensions  Width  Height  Depth  162.8 mm; Without basic adapter  Width of the housing front  Height of housing front  Weights  Weight (without packaging)  9.2 kg	Aluminum	Yes
Enclosure material (rear)  Dimensions  Width 361 mm  Height 583 mm; Without basic adapter  Depth 162.8 mm; Without basic adapter  Width of the housing front 361 mm  Height of housing front 583 mm  Weights  Weight (without packaging) 9.2 kg	<ul> <li>Aluminum casting</li> </ul>	Yes
Width 361 mm Height 583 mm; Without basic adapter Depth 162.8 mm; Without basic adapter Width of the housing front 361 mm Height of housing front 583 mm  Weights Weight (without packaging) 9.2 kg	Glass	Yes; at front
Width 361 mm  Height 583 mm; Without basic adapter  Depth 162.8 mm; Without basic adapter  Width of the housing front 361 mm  Height of housing front 583 mm  Weights  Weight (without packaging) 9.2 kg	Enclosure material (rear)	aluminum
Height 583 mm; Without basic adapter  Depth 162.8 mm; Without basic adapter  Width of the housing front 361 mm  Height of housing front 583 mm  Weights  Weight (without packaging) 9.2 kg	Dimensions	
Depth 162.8 mm; Without basic adapter Width of the housing front 361 mm Height of housing front 583 mm  Weights Weight (without packaging) 9.2 kg	Width	361 mm
Width of the housing front 361 mm Height of housing front 583 mm  Weights Weight (without packaging) 9.2 kg	Height	583 mm; Without basic adapter
Height of housing front 583 mm  Weights  Weight (without packaging) 9.2 kg	Depth	162.8 mm; Without basic adapter
Weights Weight (without packaging) 9.2 kg	Width of the housing front	361 mm
Weight (without packaging) 9.2 kg	Height of housing front	583 mm
	Weights	
	Weight (without packaging)	9.2 kg
Weight (with packaging) 11.2 kg	Weight (with packaging)	11.2 kg

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