SIEMENS

Data sheet

SIMATIC IFP2400 V2 Extended, 24 multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



Figure similar

IFP2400 V2
SIMATIC IFP2400 V2
TFT widescreen display, LED backlighting
23.8 in; 24"
60.47 cm
527 mm
296 mm
No; Adjustable by means of software
16 777 216; 24 bit
178° x 178°
1 920 x 1 080
1 920 pixel
1 080 pixel
0.2745 mm
0.2745 mm
250 cd/m² / 1 000:1
100 m; HDBaseT protocol
250 cd/m²
LED
50 000 h; At 25°C
Yes; 0-100 %
multi-touch screen
Yes; Also externally via USB
Yes; Projective-capacitive
Yes; Projective-capacitive
Yes; If supported by operating system
Built-in unit
Yes
Yes; VESA 100 x 100 integrated
Yes

Mounting is landscape format possible Title for a first provided to a first provided and a f		
maximum permitted forward till angle from vertical maximum permitted baskward till angle from vertical special processors of supply voltage Type of supply from the type of the type of of type	Mounting in landscape format possible	Yes
The Standard permitted backward tilt angle from vertical		
Supply voltage	maximum permitted forward tilt angle from vertical	35°
Type of supply voltage		35°
Rader Value (DC)	Supply voltage	
permissible range, lower limit (DC)	Type of supply voltage	DC
Degree solution Degree D	Rated value (DC)	24 V
Institution	permissible range, lower limit (DC)	19.2 V
1.5 A Current consumption, max.	permissible range, upper limit (DC)	28.8 V
Starting current innush Pt	Input current	
Starting current inrush Pt Q.5 A*s	Current consumption (rated value)	1.5 A
Power loss, typ. 36 W Power loss, typ. 36 W Power loss, typ. 36 W Power loss, max. 41 W Interfaces Vestage	Current consumption, max.	1.9 A
Power loss, typ. 38 W Power loss, max. 41 W Interfaces Number of USB interfaces USB on the rear Yes; 2x onboard Video interfaces USB on the rear Yes; 2x onboard Video interfaces USB Yes DisplayPort Yes; Display port V1.2 Touch interfaces USB Yes DisplayPort Yes P(at the front) IP65 IP (at the front) IP65 IP (ear) IP20 NEMA (front) Enclosure Type 4 at the front Yes Enclosure Type 4 at the front Yes Enclosure Type 4 at the front Yes Enclosure Type 12 at the	Starting current inrush I²t	0.5 A ² ·s
Power loss, max.	Power loss	
Interfaces Number of USB interfaces 2; USB 2.0 type A USB on the rear Ves; 2x onboard Ves; Display Port Touch interfaces • UsplayPort Touch interfaces • USB Obgree and class of protection IP (at the front) IP (at the front) • Enclosure Type 4 at the front • Enclosure Type 4 at the front • Enclosure Type 42 at the front • Enclosure Type 42 at the front • Enclosure Type 12 at the front • Enclosure Type 4 at the front • Enclosur	Power loss, typ.	36 W
Number of USB interfaces	Power loss, max.	41 W
USB on the rear Video interfaces DisplayPort Ves; Display port V1.2 Touch interfaces USB Ves Degree and class of protection IP (at the front) EP5 IP (rear) Enclosure Type 4 at the front Enclosure Type 12 at the front	Interfaces	
USB on the rear Video interfaces DisplayPort Ves; Display port V1.2 Touch interfaces USB Ves Degree and class of protection IP (at the front) EP5 IP (rear) Enclosure Type 4 at the front Enclosure Type 12 at the front	Number of USB interfaces	2: USB 2.0 type A
DisplayPort Yes; Display port V1.2		
● DisplayPort Touch interfaces ● USB Ves Degree and class of protection IP (et the front) IP (rear) NEMA (front) ● Enclosure Type 4 at the front ● Enclosure Type 4 at the front ● Enclosure Type 12 at the front ● Yes Certificate of suitability CE mark Pes UL approval Ves CULus, CUL CULUS CULUS, CUL CULUS CULU		
Touch interfaces USB Yes Degroe and class of protection IP (at the front) IP (at the front) IP (rear) IP (rear) Enclosure Type 4 at the front Yes Enclosure Type 4 x at the front Yes Enclosure Type 4 x at the front Yes Enclosure Type 1 x at the front Yes Enclosure Type 1 at the front Yes Standards, approvals, certificates Certificate of suitability hazardous zone 2/22; shipbuilding CE mark Yes Ut approval Yes; Cluss Div. 2 EM		Yes; Display port V1.2
● USB		,,
Degree and class of protection P65		Yes
(at the front)		
		IP65
NEMA (front)		
■ Enclosure Type 4x at the front Yes Standards, approvals, certificates Certificate of suitability		11 20
■ Enclosure Type 4x at the front ■ Enclosure Type 12 at the front ■ Enclosure Type 12 at the front Standards, approvals, certificates Certificate of suitability Description of the provided of the provi		Yes
Enclosure Type 12 at the front Standards, approvals, cortificates Certificate of suitability Enark Ves UL approval Ves UL approval Ves FM approval Pes FM approval Pes FM Clormerly C-TICK) Ves EAC (formerly Gost-R) Ves EMC Use in hazardous areas ATEX Zone 2 Pes; Available soon ATEX Zone 22 Pes; Available soon Pes; Available soon Marine approval Germanischer Lloyd (GL) Ambient conditions Ambient temperature during operation Pini. Pes Ambient temperature during storage/transportation Pini. Pes Pes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Ves; Available soon Pes; Available soon Ves; Available soon	**	
Standards, approvals, certificates	• •	
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cULus Yes FM approval Yes; Class I Div. 2 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 	·	Ves
FM approval RCM (formerly C-TICK) Pyes EAC (formerly Gost-R) EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • 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 • max. Ambient temperature during storage/transportation • min. • max. Ambient temperature during storage/transportation • min. • min. • max. • min.	CE mark	
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EAC (formerly Gost-R) EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 ATEX Zone 2 ATEX Zone 22 Yes; Available soon IECEX Zone 22 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) Amblent temperature during operation min. min. min. min. -20 °C max. CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Ves; Available soon Yes; Available soon O °C max. Ambient temperature during storage/transportation min. -20 °C max. 60 °C	CE mark UL approval cULus	Yes; cULus, cUL Yes
EMC Use in hazardous areas ATEX Zone 2 ATEX Zone 2 Yes; Available soon ATEX Zone 2 Yes; Available soon Yes; Available soon Yes; Available soon Available soon Yes; Available soon Yes; Available soon Yes; Available soon Amarine approval Germanischer Lloyd (GL) Yes; Available soon American Bureau of Shipping (ABS) Yes; Available soon One of the control of th	CE mark UL approval cULus FM approval	Yes; cULus, cUL Yes Yes; Class I Div. 2
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 Yes; Available soon Yes; Available soon IECEx Zone 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 min. min. min. min. min. min. min. mi	CE mark UL approval cULus FM approval RCM (formerly C-TICK)	Yes; cULus, cUL Yes Yes; Class I Div. 2 Yes
ATEX Zone 2 ATEX Zone 22 ATEX Zone 22 BIECEX Zone 2 BIECEX Zone 2 BIECEX Zone 22 BIECEX Zone 24 BIECEX Zone 22	CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R)	Yes; cULus, cUL Yes Yes; Class I Div. 2 Yes Yes
ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 IECEx Zone 24 IECEx Zone 25 IECEx Zone 24 IECEx Z	CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC	Yes; cULus, cUL Yes Yes; Class I Div. 2 Yes Yes
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IECEx Zone 22 FM Class I Division 2 Yes; Available soon 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 min. max. O °C Ambient temperature during storage/transportation min. min. min. min. min. min. min. min	CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2	Yes; cULus, cUL Yes Yes; Class I Div. 2 Yes Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon
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 min. max. O °C Ambient temperature during storage/transportation min. min. min. min. min. min. min. mi	CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22	Yes; cULus, cUL Yes Yes; Class I Div. 2 Yes Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes; Available soon
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Altitude during operation relating to sea level	CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 22 • IECEx Zone 22 • 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 • min. • max. Ambient temperature during storage/transportation	Yes; cULus, cUL Yes Yes; Class I Div. 2 Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon
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 Installation altitude above sea level, max. 	3 500 m	
Relative humidity		
Operation, max.	90 %; no condensation	
Vibrations		
 Vibration load in operation 	10 m/s²	
Vibration load during transport/storage	10 m/s²	
Shock testing		
 Shock load during operation 	150 m/s²	
 shock acceleration during storage/transport 	250 m/s ²	
Mechanics/material		
Enclosure material (front)		
Aluminum	Yes	
Aluminum casting	Yes	
Glass	Yes; at front	
Enclosure material (rear)	aluminum	
Dimensions		
Width of the housing front	585 mm	
Height of housing front	363 mm	
Mounting cutout, width	569 mm; Tolerance: +1 mm	
Mounting cutout, height	347 mm; Tolerance: +1 mm	
Overall depth	63.4 mm	
Weights		
Weight (without packaging)	7.9 kg	
Weight (with packaging)	9.9 kg	

last modified: 2/11/2022 🖸