SIEMENS

Data sheet

SIMATIC IFP2400 V2, 24" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, display port/DVI interface, including DP/USB cable 1.8 m, on the rear USB, standard design



Figure similar

General information	
Product type designation	IFP2400
Short designation	SIMATIC IFP2400 V2
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	23.8 in; 24"
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
 non-reflective and tempered mineral glass screen 	Yes
 Detachable from computer unit 	5 m
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
Keyboard fonts	
 Function keys 	No
— Number of function keys	0
Touch operation	
 Design as touch screen 	Yes; Projective-capacitive
 Design as multi-touch screen 	Yes; Projective-capacitive
 Monitor keyboard 	Yes; If supported by operating system

Design Front mounting Ves VESA mounting Ves VESA non x 100 integrated Mounting in indiscape format possible Mounting in indiscape format possible Ves Butter unit maximum permitted forward tilt angle from vertical Stoppt voltage Type of supply voltage Type of supply voltage Type of supply voltage Poemissible range, lower limit (DC) Poemissible range, lo	Installation type/mounting	
Front mounting Ves VesA mounting Mounting in portrait format possible Mounting in Indiscape format possible Mounting in Indiscape format possible Wes Mounting in Indiscape format possible Edit-in unit Tyes, Fortrait mode possible maximum permitted beckward tilt angle from vertical maximum permitted beckward tilt angle from vertical sizuppt voltage Type of supply voltage Typ		Built-in unit
Ves; VESA 100 x 100 integrated Mounting in potrail format possible Mounting in host-cape format possible Built-in unit maximum permitted discovard tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Type of supply voltage Type of supply voltage Rated value (DC) Permissible range, lower limit (DC) p		
Mounting in portrait format possible Mounting in landscape format possible Built in unit maximum permitted forward tilt angle from vertical maximum permitted backward sit angle from vertical size of the provided of the provided sit angle from vertical supply voltage Type of supply voltage DC Rated value (DC) Permissible range, tower limit (DC) Permissible range, upper limit (DC) Permissi		Yes; VESA 100 x 100 integrated
Mounting in landscape format possible Yes Dutil it until Yes Portralt mode possible maximum permitted forward tilt angle from vertical 35° Supply voltage Type of supply voltage DC Portralt mode possible Poss		
maximum permitted backward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supphy voltage DC 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 1.5 A Current consumption (rated value) 1.5 A Current consumption, max. 1.9 A Starting current mush P1 0.5 A*s Power loss, typ. 38 W Power loss, typ. 38 W Power loss, max. 41 W Interfaces USB on the rear Connection for keyboardmouse USB Video interfaces • usB • analog video signal (VGA) No • DI-D Yes • USB Yes Degree and class of protection Pes IP (at the front) IP65 NEMA (front) Yes • Enclosure Type 4 x at the front Yes • Endosure Type 4 x at the		Yes
Maximum permitted backward tilt angle from vertical Stipply voltage DC	Built-in unit	Yes; Portrait mode possible
Supply voltage	maximum permitted forward tilt angle from vertical	35°
Type of supply voltage	maximum permitted backward tilt angle from vertical	35°
Rated value (DC)	Supply voltage	
permissible range, lower limit (DC)	Type of supply voltage	DC
Input current	Rated value (DC)	24 V; PELV / SELV floating
Input current		
Current consumption (rated value)		28.8 V
Current consumption (rated value)	Input current	
Current consumption, max. Starting current inrush Pt 0.5 A*s Power loss, typ. Power loss, typ. Power loss, max. At I W Interfaces Number of USB interfaces Vise on the rear Connection for keyboard/mouse Video interfaces • analog video signal (VGA) • DVI-D • bisplayPort Touch interfaces • USB Ves Pegree and class of protection IP (at the front) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 42 at the front • Enclosure Type 12 at the front • Enclosure Type 12 at the front Certificate of suitability Abarrowal Cullus PM approval CULus Yes EMC CC, EN 55011, EN 61000-6-4, EN 61000-6-2 Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon PM Class I Division 2 Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon Ves; Available soon Annie approval • Certificate of 2 Ves; Available soon Ves; Available soon Ves; Available soon Ves; Available soon		1.5 A
Starting current inrush Pt		1.9 A
Power loss Pow		
Power loss, typ. 36 W		
Power loss, max.		36 W
Number of USB interfaces		
Number of USB interfaces USB on the rear Connection for keyboard/mouse Ves; 2x onboard USB Video interfaces analog video signal (VGA) DisplayPort Touch interfaces USB Ves DisplayPort Touch interfaces USB Ves Degree and class of protection IP (at the front) NEMA (front) Enclosure Type 4 at the front Enclosure Type 42 at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Ves Standards, approvals, certificates Certificate of suitability CE mark UL approval CULUS FM approval CULUS FM approval RCM (formerly C-TICK) 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 Ves; Available soon Ves; Available soon Adarias approval Ves; Available soon Ves; Available soon Alarias approval FM cormanischer Lloyd (GL) Ves; Available soon Alarias approval OGermanischer Lloyd (GL) Ves; Available soon		
USB on the rear Connection for keyboard/mouse Video interfaces analog video signal (VGA) DVI-D Ves DisplayPort Ves; Display port V1.2 Touch interfaces USB Ves Degree and class of protection IP (at the front) Enclosure Type 4 at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Ves Enclosure Type 12 at the front Ves Enclosure Type 12 at the front Ves Ves Usapprovals, certificates Certificate of suitability CE mark Ves UL approval Ves; cultus, cult Cultus Ves FM approval Ves; Class I Div. 2 RCM (formerly C-TICK) Ves EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 ATEX Zone 2 Ves; Available soon Ves; Available soon Ves; Available soon FM class I Division 2 FM addraic approval Order April Available soon Ves; Available soon		2: USB 2.0 type A
Connection for keyboard/mouse Video interfaces analog video signal (VGA) DIV-D Ves DisplayPort Ves; Display port V1.2 Touch interfaces USB Yes Degree and class of protection IP (at the front) Enclosure Type 4 at the front Enclosure Type 4x at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Enclosure Type 4x at the front Ves Standards, approvals, certificates Certificate of suitability Approval CE mark Ves UL approval Ves; ClLus, cUL CULus Yes FM approval Yes; Class I Div. 2 RCM (formerly Gost-R) EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 FM sy (Available soon FM class I Division 2 Marine approval FM cormanischer Lloyd (GL) Fes; Available soon FM class I Division 2 FM cl		
Video interfaces • analog video signal (VGA) • DVI-D • DisplayPort Touch interfaces • USB • USB • USB • Degree and class of protection IP (at the front) • Enclosure Type 4 at the front • Enclosure Type 42 at the front • Yes • Enclosure Type 42 at the front • Yes Standards, approvals, certificates Certificate of suitability • Pazer Gullus, cull. QULus • Yes • Cluus, cull. QULus • Yes • Cluus, cull. QULus • Yes • Class I Div. 2 • Yes • ATEX Zone 1 • ATEX Zone 2 • ATEX Zone 2 • ATEX Zone 2 • ATEX Zone 2 • ATEX Available soon • ATEX Available soon • FM Class I Division 2 • Germanischer Lloyd (GL) Ves; Available soon		
analog video signal (VGA) DVI-D Ves Ves DisplayPort Ves; Display port V1.2 Touch interfaces USB Ves Degree and class of protection IP (at the front) Enclosure Type 4 at the front Enclosure Type 4 at the front Enclosure Type 4 at the front Enclosure Type 12 at the front Enclosure Type 22; shipbuilding Enclosure Type 12 at the front Enclosure Type 4 at the front Enclosu		
DVI-D DisplayPort Ves; Display port V1.2 Touch interfaces USB Yes Degree and class of protection IP (at the front) NEMA (front) Enclosure Type 4 at the front Enclosure Type 4 at the front Enclosure Type 4 at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Yes Enclosure Type 12 at the front Yes Standards, approvals, certificates Certificate of suitability CE mark Yes UL approval Yes; cULus, cUL CULus Yes FM approval Yes; Class I Div. 2 RCM (formerly C-TICK) Yes EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 Yes; Available soon IECEx Zone 22 Yes; Available soon Marrine approval Germanischer Lloyd (GL) Ves; Available soon Marrine approval Germanischer Lloyd (GL) Ves; Available soon		No
DisplayPort Touch interfaces USB Ves Degree and class of protection IP (at the front) NEMA (front) Enclosure Type 4 at the front Enclosure Type 12 at the front Enclosure Type 4 at the front Enclos		
Touch interfaces USB Ves Degree and class of protection IP (at the front) NEMA (front) Enclosure Type 4 at the front Enclosure Type 4x at the front Enclosure Type 12 at the front Enclosure Type 4x at the front E		Yes; Display port V1.2
Degree and class of protection IP (at the front)		
IP (at the front) NEMA (front) Enclosure Type 4 at the front Enclosure Type 4x at the front Enclosure Type 12 at the front Enclosure Type 12 at the front Yes Standards, approvals, certificates Certificate of suitability Anzardous zone 2/22; shipbuilding CE mark Yes UL approval CUL us FM approval Yes; cULus, cUL CULus 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 ATEX Zone 2 ATEX Zone 2 ATEX Zone 2 FM class I Division 2 Yes; Available soon FM Class I Division 2 Marine approval Germanischer Lloyd (GL) Yes; Available soon Marine approval Germanischer Lloyd (GL) Yes; Available soon	• USB	Yes
NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front • Enclosure Type 12 at the front Yes Standards, approvals, certificates Certificate of suitability hazardous zone 2/22; shipbuilding CE mark Yes UL approval CULus FM approval Yes; cULus, cUL CULus 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 • ATEX Zone 2 • ATEX Zone 2 • IECEx Zone 2 • IECEx Zone 22 • FM class I Division 2 Marine approval • Germanischer Lloyd (GL) Yes; Available soon Marine approval • Germanischer Lloyd (GL) Yes; Available soon	Degree and class of protection	
NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front • Enclosure Type 12 at the front Yes Standards, approvals, certificates Certificate of suitability hazardous zone 2/22; shipbuilding CE mark Yes UL approval CULus FM approval Yes; cULus, cUL CULus 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 • ATEX Zone 2 • ATEX Zone 2 • IECEx Zone 2 • IECEx Zone 22 • FM class I Division 2 Marine approval • Germanischer Lloyd (GL) Yes; Available soon Marine approval • Germanischer Lloyd (GL) Yes; Available soon	IP (at the front)	IP65
Enclosure Type 4x at the front Enclosure Type 12 at the front Yes Standards, approvals, certificates Certificate of suitability		
Enclosure Type 4x at the front Enclosure Type 12 at the front Yes Standards, approvals, certificates Certificate of suitability	 Enclosure Type 4 at the front 	Yes
Standards, approvals, certificates Certificate of suitability CE mark UL approval CULus FM approval FM approval EAC (formerly C-TICK) EMC Use in hazardous areas ATEX Zone 2 IECEX Zone 2 IECEX Zone 2 IECEX Zone 2 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) A Yes A Yes CULus, cUL Yes CULus Yes CULus Yes A Yes A Yes A Yes A Yes A Vailable soon Yes A Vailable soon Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon		
Certificate of suitability CE mark Ves UL approval CULus FM approval RCM (formerly C-TICK) 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 • IECEx Zone 2 • IECEx Zone 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) Yes 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 Yes; Available soon Yes; Available soon	 Enclosure Type 12 at the front 	Yes
Certificate of suitability CE mark Ves UL approval CULus FM approval RCM (formerly C-TICK) 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 • IECEx Zone 2 • IECEx Zone 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) Yes 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 Yes; Available soon Yes; Available soon	Standards, approvals, certificates	
CE mark UL approval Yes; cULus, cUL CULus Yes FM approval Yes; Class I Div. 2 RCM (formerly C-TICK) 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 • IECEx Zone 2 • IECEx Zone 2 • IECEx Zone 22 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) Yes; Available soon Yes; Available soon Yes; Available soon		hazardous zone 2/22; shipbuilding
CULus FM approval Yes; Class I Div. 2 RCM (formerly C-TICK) Yes 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 • IECEx Zone 2 • IECEx Zone 2 • IECEx Zone 22 •		
CULus FM approval Yes; Class I Div. 2 RCM (formerly C-TICK) Yes 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 • IECEx Zone 2 • IECEx Zone 2 • IECEx Zone 22 •	UL approval	Yes; cULus, cUL
RCM (formerly C-TICK) 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) Yes Yes Yes Yes Yes Yes Yes Ye		Yes
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) Yes CE, EN 55011, EN 61000-6-2 Yes; Available soon	FM approval	Yes; Class I Div. 2
EMC 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) CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon	RCM (formerly C-TICK)	Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) Yes; Available soon Yes; Available soon Yes; Available soon	EAC (formerly Gost-R)	Yes
ATEX Zone 2 Yes; Available soon Yes; Available soon IECEx Zone 2 Yes; Available soon IECEx Zone 22 Yes; Available soon FM Class I Division 2 Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon Marine approval Germanischer Lloyd (GL) Yes; Available soon	EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 IECEx Zone 22 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) Yes; Available soon Yes; Available soon 	Use in hazardous areas	
 IECEx Zone 2 IECEx Zone 22 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) Yes; Available soon Yes; Available soon Yes; Available soon 	ATEX Zone 2	Yes; Available soon
◆ IECEx Zone 22 Yes; Available soon FM Class I Division 2 Marine approval Germanischer Lloyd (GL) Yes; Available soon Yes; Available soon	ATEX Zone 22	Yes; Available soon
 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) Yes; Available soon 	• IECEx Zone 2	Yes; Available soon
Marine approval ◆ Germanischer Lloyd (GL) Yes; Available soon	• IECEx Zone 22	Yes; Available soon
Germanischer Lloyd (GL) Yes; Available soon	FM Class I Division 2	Yes; Available soon
	* *	
American Duragu of Chinning (ADC)		Yes; Available soon
	 American Bureau of Shipping (ABS) 	Yes; Available soon
Bureau Veritas (BV) Yes; Available soon		
Det Norske Veritas (DNV) Yes; Available soon	Det Norske Veritas (DNV)	Yes; Available soon

 Lloyds Register of Shipping (LRS) 	Yes; Available soon
 Nippon Kaiji Kyokai (Class NK) 	Yes; Available soon
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.	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 incl. packaging	9.9 kg

1/16/2021

last modified: