SIEMENS

Data sheet

SIMATIC IFP1200 V2; 12" multi-touch display (16:10) with 1280x800 pixel resolution; built-in unit for 24 V DC, display port/DVI interface including DP/USB cable 1.8 m; USB on the rear side; standard design



Figure similar

2. 11.6		
General information		
Product type designation	IFP1200 V2	
Short designation	Flat Panel 12" multi-touch	
Display		
Design of display	TFT widescreen display, LED backlighting	
Screen diagonal	12.1 in	
Screen diagonal [cm]	30.7 cm	
Display width	261.1 mm	
Display height	163.2 mm	
On Screen Display (OSD) configuration	No No	
Number of colors	16 777 216; 24 bit	
Viewing angle	176° x 176°	
Resolution (pixels)		
 Image resolution 	1 280 x 800	
 Horizontal image resolution 	1 280 pixel	
 Vertical image resolution 	800 pixel	
 Pixel size, horizontal 	0.204 mm	
Pixel size, vertical	0.204 mm	
General features		
 Brightness/contrast 	400 cd/m² / 800:1	
 Detachable from computer unit 	5 m	
Luminance	400 cd/m ²	
Backlighting		
 Type of backlighting 	LED	
 MTBF backlighting (at 25 °C) 	70 000 h; At 25°C	
 Backlight dimmable 	Yes; 0-100 %	
Control elements		
Input device		
 Integrated mouse cursor control 	Yes; Also externally via USB	
Touch operation		
 Design as touch screen 	Yes	
 Design as multi-touch screen 	Yes; Projective-capacitive	
Monitor keyboard	Yes	
Installation type/mounting		
Design	Built-in unit	
Front mounting	Yes	
Mounting in portrait format possible	Yes	
Mounting in landscape format possible	Yes	
Built-in unit	Yes; Portrait mode possible	

	0.50
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°
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	0.05 A
Current consumption (rated value)	0.65 A
Current consumption, max.	1 A
Starting current inrush I²t Power loss	0.5 A ² ·s
	4E W
Power loss, typ.	15 W 25 W
Power loss, max.	25 W
Interfaces	OLLICE C.O. human A
Number of USB interfaces USB on the rear	2; USB 2.0 type A Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	VVD
DVI-D	Yes
DisplayPort	Yes; Display port V1.2
Touch interfaces	103, Display port v 1.2
• USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
Standards, approvals, certificates Certificate of suitability	hazardous zone 2/22; shipbuilding
	hazardous zone 2/22; shipbuilding Yes
Certificate of suitability	
Certificate of suitability CE mark	Yes
Certificate of suitability CE mark UL approval	Yes Yes; cULus, cUL
Certificate of suitability CE mark UL approval cULus	Yes Yes; cULus, cUL Yes; Corresponds to UL 508
Certificate of suitability CE mark UL approval cULus FM approval	Yes; CULus, cUL Yes; Corresponds to UL 508 Yes; Available soon
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK)	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R)	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes; Available soon
Certificate of suitability 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 2	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2 • IECEx Zone 2 • IECEx Zone 22	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes; Available soon
Certificate of suitability 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	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes; Available soon Yes; Available soon Yes; Available soon
Certificate of suitability 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 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability 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 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL)	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability 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 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS)	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes
Certificate of suitability 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)	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes Yes Yes
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2 • 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)	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability 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 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)	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes Yes Yes Yes Yes Yes Yes Yes; In application process Yes Yes; In application process
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability 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)	Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes Yes Yes Yes Yes Yes Yes Yes; In application process Yes Yes; In application process
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2 • 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	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas • ATEX Zone 2 • 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 • min.	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability 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.	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes Yes Yes Yes Yes Yes Yes Yes; In application process Yes Yes; In application process Yes Yes Yes Yes Yes Yes Yes Yes Yes
Certificate of suitability 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 • min.	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes Yes Yes Yes Yes Yes Yes Yes; In application process Yes Yes; In application process Yes O °C 50 °C
Certificate of suitability CE mark UL approval cULus FM approval RCM (formerly C-TICK) EAC (formerly Gost-R) EMC Use in hazardous areas	Yes Yes; cULus, cUL Yes; Corresponds to UL 508 Yes; Available soon Yes Yes CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Yes; Available soon Yes Yes Yes Yes Yes Yes Yes Yes Yes; In application process Yes Yes; In application process Yes Yes Yes Yes Yes Yes Yes Yes Yes

 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 of the housing front	326 mm	
Height of housing front	237 mm	
Mounting cutout, width	310 mm; Tolerance: +1 mm	
Mounting cutout, height	221 mm; Tolerance: +1 mm	
Overall depth	62.5 mm	
Weights		
Weight (without packaging)	3 kg	
Weight (with packaging)	4.4 kg	

last modified: