SIEMENS

Data sheet

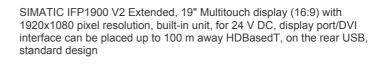




Figure similar

General information	
Product type designation	IFP1900
Short designation	SIMATIC IFP1900 V2
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in; 19"
Screen diagonal [cm]	47 cm
Display width	408.96 mm
Display height	230.04 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 	0.213 mm
Pixel size, vertical	0.213 mm
General features	
 Brightness/contrast 	350 cd/m² / 1 000:1
 non-reflective and tempered mineral glass screen 	Yes
 Detachable from computer unit 	100 m
Luminance	350 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
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 VESA mounting Yes Mounting in portrait format possible Mounting in landscape format possible Built-in unit Tyes maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Yes Yes Yes 35° DC 24 V 19.2 V	
VESA mounting Mounting in portrait format possible Mounting in landscape format possible Built-in unit Yes maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical so Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Yes Yes 35° DC 24 V 19.2 V	
Mounting in portrait format possible Mounting in landscape format possible Built-in unit Yes maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage Type of supply voltage DC Rated value (DC) permissible range, lower limit (DC) Page 19.2 V	
Mounting in landscape format possible Built-in unit Yes maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Pyes Yes 35° DC 24 V 19.2 V	
Built-in unit maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 35° Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) Yes 35° DC 24 V permissible range, lower limit (DC) 19.2 V	
maximum permitted backward tilt angle from vertical 35° Supply voltage Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V	
maximum permitted backward tilt angle from vertical 35° Supply voltage Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V	
Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V	
Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V	
Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V	
permissible range, lower limit (DC) 19.2 V	
POLITICONO FAITAS, ADDISTRIBLADO	
Input current	
Current consumption (rated value) 1.2 A	
Current consumption, max. 1.5 A	
Starting current inrush I²t 0.5 A²·s	
Power loss	
Power loss, typ. 29 W Power loss, max. 35 W	
Interfaces	
Number of USB interfaces 2; USB 2.0 type A	
USB on the rear Yes	
Connection for keyboard/mouse USB	
Video interfaces	
analog video signal (VGA) No	
DisplayPort Yes	
Touch interfaces	
• USB Yes	
Degree and class of protection	
IP (at the front) IP65	
IP (rear) IP20	
Standards, approvals, certificates	
Certificate of suitability hazardous zone 2/22; shipbuilding	
CE mark Yes	
UL approval Yes; cULus, cUL	
<u>cULus</u> Yes	
FM approval Yes; Class I Div. 2	
EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2	
Use in hazardous areas	
ATEX Zone 2 Yes; Available soon	
ATEX Zone 22 Yes; Available soon	
• IECEx Zone 2 Yes; Available soon	
• IECEx Zone 22 Yes; Available soon	
FM Class I Division 2 Yes; Available soon	
Marine approval	
Germanischer Lloyd (GL) Yes; Available soon Avaniera Russes of Skinsing (ARS) Yes Available soon	
American Bureau of Shipping (ABS) Yes; Available soon Yes: Available soon Yes: Available soon	
Bureau Veritas (BV) Yes; Available soon Yes: Available soon	
Det Norske Veritas (DNV) Yes; Available soon Ves Available soon Ves Available soon	
Lloyds Register of Shipping (LRS) Yes; Available soon Non-Available soon Yes, Available soon	
Nippon Kaiji Kyokai (Class NK) Yes; Available soon	
Ambient conditions	
Ambient temperature during operation	
Ambient temperature during operation ■ min. ■ max. 0 °C 50 °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/s ²
Shock testing	
 Shock load during operation 	150 m/s²
 shock acceleration during storage/transport 	250 m/s²
Mechanics/material	
Enclosure material (front)	
Aluminum	Yes
 Aluminum casting 	Yes
Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width of the housing front	464 mm
Height of housing front	294 mm
Mounting cutout, width	448 mm; Tolerance: +1 mm
Mounting cutout, height	278 mm; Tolerance: +1 mm
Overall depth	63.4 mm
Weights	
Weight without packaging	5 kg
Weight incl. packaging	7 kg

12/16/2020 🗗

last modified: