SIEMENS

Data sheet

6AV7863-6MA00-2AA0

SIMATIC IFP1900 V2, 19" 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	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 width 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	5 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

Installation type/mounting			
Design	Built-in unit		
Front mounting	Yes		
VESA mounting	Yes		
Mounting in portrait format possible	Yes		
Mounting in landscape format possible	Yes		
Built-in unit	Yes		
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		
permissible range, lower limit (DC)	19.2 V		
permissible range, upper limit (DC)	28.8 V		
Input current			
Current consumption (rated value)	1.2 A		
Current consumption (rated value)	1.5 A		
Starting current inrush I ² t	0.5 A ² ·s		
Power loss	0.5 A 3		
	29 W		
Power loss, typ.			
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		
• DVI-D	Yes		
DisplayPort	Yes		
Touch interfaces	Vee		
• 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		
cULus	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	Vee Ausilahla seen		
Germanischer Lloyd (GL)	Yes; Available soon		
American Bureau of Shipping (ABS)	Yes; Available soon		
Bureau Veritas (BV)	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°0		

• max. 50 °C Ambient temperature during storage/transportation -20 °C • 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 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/s² Mechanics/material - Enclosure material (front) - • Aluminum Yes • Glass Yes; at front Enclosure material (rear) aluminum Dimensions - Width of the housing front 464 mm Height of housing front 294 mm Height of housing front 294 mm Mounting cutout, width 448 mm; Tolerance: +1 mm Mounting cutout, width 434 mm; Tolerance: +1 mm Moverall depth 5 kg <		
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Enclosure material (front) Yes • Aluminum Yes • Aluminum casting Yes; at front • Glass Yes; at front Enclosure material (rear) aluminum Dimensions Vidth of the housing front Width of the housing front 464 mm Height of housing front 294 mm Mounting cutout, width 448 mm; Tolerance: +1 mm Overall depth 63.4 mm Weights 5 kg Weight without packaging 5 kg Weight incl. packaging 7 kg	 shock acceleration during storage/transport 	250 m/s ²
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	Weight without packaging	5 kg
	Weight incl. packaging	7 kg
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