

SIMATIC IFP1900 V2 Extended, 19 multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, display port/DVI interface, can be placed up to 100 m away HDBaseT, USB on the rear side, 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 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/m <sup>2</sup> / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	100 m; HDBaseT V2.0
• Luminance	350 cd/m <sup>2</sup>
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; VESA 100 x 100 integrated
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
Built-in unit	Yes; Portrait mode possible
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	
Current consumption (rated value)	1.2 A
Current consumption, max.	1.5 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·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; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
<ul style="list-style-type: none"> <li>analog video signal (VGA)</li> </ul>	No
<ul style="list-style-type: none"> <li>DisplayPort</li> </ul>	Yes; Display port V1.2
Touch interfaces	
<ul style="list-style-type: none"> <li>USB</li> </ul>	Yes
Degree and class of protection	
IP (at the front)	IP65
NEMA (front)	
<ul style="list-style-type: none"> <li>Enclosure Type 4 at the front</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Enclosure Type 4x at the front</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Enclosure Type 12 at the front</li> </ul>	Yes
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
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	
<ul style="list-style-type: none"> <li>ATEX Zone 2</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>ATEX Zone 22</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>IECEX Zone 2</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>IECEX Zone 22</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>FM Class I Division 2</li> </ul>	Yes; Available soon
Marine approval	
<ul style="list-style-type: none"> <li>Germanischer Lloyd (GL)</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>American Bureau of Shipping (ABS)</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>Bureau Veritas (BV)</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>Det Norske Veritas (DNV)</li> </ul>	Yes; Available soon
<ul style="list-style-type: none"> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes; Available soon

• Nippon Kaiji Kyokai (Class NK)	Yes; Available soon
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	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/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>
Shock testing	
• Shock load during operation	150 m/s <sup>2</sup>
• shock acceleration during storage/transport	250 m/s <sup>2</sup>
<b>Mechanics/material</b>	
Enclosure material (front)	
• Aluminum	Yes
• Aluminum casting	Yes
• Glass	Yes; at front
Enclosure material (rear)	
	aluminum
<b>Dimensions</b>	
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
<b>Weights</b>	
Weight without packaging	5 kg
Weight incl. packaging	7 kg
<b>last modified:</b>	1/16/2021 