

SIMATIC IFP1900 Flat Panel 19" display (16: 9), Multitouch,  
 Extended version up to 30 m, 1366x 768 pixels, for 24 V DC and  
 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



Figure similar

General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" multi-touch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in
Screen diagonal [cm]	47 cm
Display width	409.8 mm
Display height	230.4 mm
Viewing angle	170° x 160°
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Resolution (pixels)	
• Horizontal image resolution	1 366 Pixel
• Vertical image resolution	768 Pixel
• Pixel size, horizontal	0.3 mm
• Pixel size, vertical	0.3 mm

General features	
• Detachable from computer unit	30 m
• Brightness/contrast	300 cd/m <sup>2</sup> / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• Luminance	300 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	
Keyboard fonts	
• Function keys	No
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
Installation type/mounting	
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	AC/DC
Rated value (DC)	24 V; PELV
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	100 V; Up to 240V, 50/60 Hz
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
USB on the rear	2
Connection for keyboard/mouse	USB
Video interfaces	
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Degree and class of protection	

IP65 at front	Yes
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Enclosure Type 12 at the front	Yes
NEMA4 at the front	No
NEMA4X at the front	No
IP20 rear	Yes

### Standards, approvals, certificates

CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes

### 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>• FM Class I Division 2</li> </ul>	No

### Marine approval

<ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> </ul>	No
<ul style="list-style-type: none"> <li>• American Bureau of Shipping (ABS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Bureau Veritas (BV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Det Norske Veritas (DNV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Nippon Kaiji Kyokai (Class NK)</li> </ul>	No

### Ambient conditions

#### Ambient temperature during operation

<ul style="list-style-type: none"> <li>• min.</li> </ul>	0 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	45 °C; Vertical installation (horizontal)

#### Ambient temperature during storage/transportation

<ul style="list-style-type: none"> <li>• min.</li> </ul>	-20 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	60 °C

#### Relative humidity

<ul style="list-style-type: none"> <li>• Operation, max.</li> </ul>	95 %; no condensation
---	-----------------------

#### Vibrations

<ul style="list-style-type: none"> <li>• Vibration load in operation</li> </ul>	1 gn
<ul style="list-style-type: none"> <li>• Vibration load during transport/storage</li> </ul>	1 gn

#### Shock testing

<ul style="list-style-type: none"> <li>• Shock load during operation</li> </ul>	15 gn
<ul style="list-style-type: none"> <li>• Shock load during transport/storage</li> </ul>	15 gn

### Mechanics/material

Enclosure material (front)	
<ul style="list-style-type: none"> <li>• Glass</li> </ul>	Yes

## Dimensions

Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm; Tolerance: +1 mm
Mounting cutout, height	319 mm; Tolerance: +1 mm
Overall depth	62.5 mm

## Weights

Weight without packaging	5.5 kg
Weight incl. packaging	6.5 kg

**last modified:** 08/13/2018