

SIMATIC IFP1900 PRO, Flat Panel, 19" display (16:9), Multitouch, suitable for pedestal and extension components, extended version max. 30m, 1366 x 768 pixel, for 24V DC, displayport/DVI Interface, IP65, fully enclosed, neutral design



## General information

Product type designation	IFP1900 PRO
Short designation	Flat Panel 19" PRO multi-touch ext.

## Display

Design of display	TFT widescreen display, LED backlighting
Screen diagonal	19 in
Screen diagonal [cm]	47 cm
Display width	409.8 mm
Display height	230.4 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	170° x 160°

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

• Brightness/contrast	300 cd/m <sup>2</sup> / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	30 m
• Luminance	300 cd/m <sup>2</sup>
<b>Backlighting</b>	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %

## Control elements

<b>Input device</b>	
• Integrated mouse cursor control	Yes; Also externally via USB
<b>Keyboard fonts</b>	
• Function keys	No
— Number of function keys	0
<b>Touch operation</b>	
• Design as touch screen	Yes
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes

## Installation type/mounting

Design	Pedestal mounting
Support arm mounting	No
Stand mounting	Yes
Built-in unit	No; IP65 fully enclosed
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°

## Supply voltage

Type of supply voltage	24 V 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)	2 A
Inrush current, max.	2.8 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·s

## Power

Active power input, typ.	40 W
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## Power loss

Power loss, typ.	40 W
Power loss, max.	60 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>DVI-D</li> </ul>	Yes
<ul style="list-style-type: none"> <li>DisplayPort</li> </ul>	Yes; DisplayPort V1.1
Touch interfaces	
<ul style="list-style-type: none"> <li>USB</li> </ul>	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	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
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
<ul style="list-style-type: none"> <li>ATEX Zone 2</li> </ul>	Yes
<ul style="list-style-type: none"> <li>ATEX Zone 22</li> </ul>	Yes
<ul style="list-style-type: none"> <li>IECEX Zone 2</li> </ul>	Yes
<ul style="list-style-type: none"> <li>IECEX Zone 22</li> </ul>	Yes
<ul style="list-style-type: none"> <li>cULus Class I Zone 2, Division 2</li> </ul>	Yes
<ul style="list-style-type: none"> <li>FM Class I Division 2</li> </ul>	Yes
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
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>	10 m/s <sup>2</sup>
<ul style="list-style-type: none"> <li>Vibration load during transport/storage</li> </ul>	10 m/s <sup>2</sup>

Shock testing	
• Shock load during operation	150 m/s <sup>2</sup>
• Shock load during transport/storage	150 m/s <sup>2</sup>
Mechanics/material	
Enclosure material (front)	With neutral design
• Aluminum	Yes
• Glass	Yes; at front
Dimensions	
Width	462 mm
Height	296 mm; Without basic adapter
Depth	94 mm; Without basic adapter
Weights	
Weight without packaging	7.3 kg
Weight incl. packaging	10 kg
<b>last modified:</b>	06/12/2020