



SIMATIC IFP1900 Basic Flat Panel 19" display (16:9), Touch, 1366 x 768 pixels, standard up to 5 m, for 24V DC, DisplayPort/VGA interface

General information	
Product type designation	IFP1900 Basic
Short designation	Basic Flat Panel 19" Touch
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in; 19"
On Screen Display (OSD) configuration	No
Number of colors	16 000 000; 16 million
Resolution (pixels)	
<ul style="list-style-type: none"> <li>Image resolution</li> </ul>	1 366 x 768
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>	1 366 pixel
<ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>	768 pixel
General features	
<ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>	5 m
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED
<ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h
<ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
Control elements	
Control elements	single-touch screen
Input device	
<ul style="list-style-type: none"> <li>Integrated mouse cursor control</li> </ul>	No
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	Yes; Analog-resistive
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	45°
maximum permitted backward tilt angle from vertical	45°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Power loss	

Power loss, typ.	19 W
Power loss, max.	60 W
<b>Interfaces</b>	
Number of USB interfaces	2; USB 2.0 (downstream)
USB on the rear	Yes; 2x onboard
<b>Video interfaces</b>	
• DisplayPort	Yes
<b>Touch interfaces</b>	
• USB	Yes; USB Type A
<b>Degree and class of protection</b>	
IP (at the front)	IP65
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	Yes; UL 61010-1, UL 61010-2-201
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	45 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Relative humidity</b>	
• Operation, max.	85 %
<b>Vibrations</b>	
• Vibration load in operation	5 m/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>
<b>Shock testing</b>	
• 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>	
<b>Enclosure material (front)</b>	
• Aluminum	Yes
<b>Dimensions</b>	
Width of the housing front	473 mm
Height of housing front	297 mm
Mounting cutout, width	455 mm
Mounting cutout, height	279 mm
Overall depth	59 mm
<b>Weights</b>	
Weight (without packaging)	5.1 kg
<b>last modified:</b>	8/13/2021 