

\*\*\* spare part \*\*\* SIMATIC IFP1900 PRO, Flat Panel 19" display (16:9), multi-touch, prepared for support arm, and expansion elements; extended version up to 30 m, 1366 x 768 pixels, for 24 V DC, display port/DVI interface, IP65, fully enclosed, standard 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	18.5 in; 19"
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)	
<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
<ul style="list-style-type: none"> <li>Pixel size, horizontal</li> </ul>	0.3 mm
<ul style="list-style-type: none"> <li>Pixel size, vertical</li> </ul>	0.3 mm
General features	
<ul style="list-style-type: none"> <li>Brightness/contrast</li> </ul>	300 cd/m <sup>2</sup> / 1 000:1
<ul style="list-style-type: none"> <li>non-reflective and tempered mineral glass screen</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>	30 m
<ul style="list-style-type: none"> <li>Luminance</li> </ul>	300 cd/m <sup>2</sup>
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; At 25°C
<ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Input device	
<ul style="list-style-type: none"> <li>Integrated mouse cursor control</li> </ul>	Yes; Also externally via USB
Keyboard fonts	
<ul style="list-style-type: none"> <li>Function keys</li> </ul>	No
<ul style="list-style-type: none"> <li>— Number of function keys</li> </ul>	0
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive

• Monitor keyboard	Yes
<b>Installation type/mounting</b>	
Design	Support arm mounting
Front mounting	No
Support arm mounting	Yes; Suitable for support arm and extension components (please refer to manual)
Stand mounting	No
Built-in unit	No; IP65 fully enclosed
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
<b>Supply voltage</b>	
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
<b>Input current</b>	
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
<b>Power</b>	
Active power input, typ.	40 W
<b>Power loss</b>	
Power loss, typ.	40 W
Power loss, max.	60 W
<b>Interfaces</b>	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• analog video signal (VGA)	No
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
<b>Touch interfaces</b>	
• USB	Yes
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• cULus Class I Zone 2, Division 2	Yes
• FM Class I Division 2	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	
• 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.	95 %; no condensation
<b>Vibrations</b>	
• Vibration load in operation	10 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	150 m/s <sup>2</sup>
<b>Mechanics/material</b>	
Enclosure material (front)	In standard design
• Aluminum	Yes
• Glass	Yes; at front
<b>Dimensions</b>	
Width	462 mm
Height	296 mm; Without basic adapter
Depth	160 mm; Without basic adapter
<b>Weights</b>	
Weight without packaging	8.2 kg
Weight incl. packaging	11 kg
<b>last modified:</b>	1/16/2021 