

SIMATIC IFP1900 PRO Full HD Flat Panel 19" display (16:9), multi-touch, Full HD resolution, prepared for supporting foot/ expansion elements, 1920 x 1080 pixels, for 24 V DC, display port, IP65, fully enclosed, Ethernet monitor with basic adapter



General information	
Product type designation	IFP1900 PRO HD
Short designation	Flat Panel 19" PRO Full HD ETH 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
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)	
<ul style="list-style-type: none"> <li>• Horizontal image resolution</li> <li>• Vertical image resolution</li> <li>• Pixel size, horizontal</li> <li>• Pixel size, vertical</li> </ul>	1 920 pixel 1 080 pixel 0.213 mm 0.213 mm
General features	
<ul style="list-style-type: none"> <li>• Brightness/contrast</li> <li>• non-reflective and tempered mineral glass screen</li> <li>• Detachable from computer unit</li> <li>• Luminance</li> </ul>	350 cd/m <sup>2</sup> / 1 000:1 Yes 100 m; Ethernet 350 cd/m <sup>2</sup>
Backlighting	
<ul style="list-style-type: none"> <li>• Type of backlighting</li> <li>• MTBF backlighting (at 25 °C)</li> <li>• Backlight dimmable</li> </ul>	LED 50 000 h; At 25°C Yes; 0-100 %
Control elements	
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> <li>— Number of function keys</li> </ul>	No 0
Touch operation	
<ul style="list-style-type: none"> <li>• Design as touch screen</li> <li>• Monitor keyboard</li> </ul>	Yes Yes
Installation type/mounting	
Design	Pedestal mounting

Front mounting	No
Support arm mounting	No
Stand mounting	Yes
VESA 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	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
<b>Power loss</b>	
Power loss, typ.	30 W
Power loss, max.	30 W
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• analog video signal (VGA)	No
• DVI-D	No
• 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
UL approval	Yes; In application process
cULus	Yes; In application process
RCM (formerly C-TICK)	Yes; In application process
KC approval	No
EAC (formerly Gost-R)	Yes; In application process
<b>Use in hazardous areas</b>	
• ATEX Zone 2	No
• ATEX Zone 22	No
• FM Class I Division 2	No
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
• Polski Rejestr Statkow (PRS)	No
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	50 °C; Vertical installation (horizontal)
<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)	
• Glass	Yes; at front
<b>Dimensions</b>	
Width	462 mm
Height	292 mm; Without basic adapter
Depth	94 mm; Without basic adapter
<b>Weights</b>	
Weight (without packaging)	5.7 kg
Weight (with packaging)	10 kg

**last modified:** 12/18/2020 