

SIMATIC IFP1900 pro HD Flat Panel 19" display (16:9), Multitouch, 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
Viewing angle	178° x 178°
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Resolution (pixels)	
• Horizontal image resolution	1 920 Pixel
• Vertical image resolution	1 080 Pixel
• Pixel size, horizontal	0.213 mm
• Pixel size, vertical	0.213 mm
General features	

<ul style="list-style-type: none"> <li>• Detachable from computer unit</li> <li>• Brightness/contrast</li> <li>• non-reflective and tempered mineral glass screen</li> <li>• Luminance</li> </ul>	Up to 100 m Ethernet 350 cd/m <sup>2</sup> / 1 000:1 Yes 350 cd/m <sup>2</sup>
<b>Backlighting</b>	
<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 %
<b>Control elements</b>	
<b>Input device</b>	
<ul style="list-style-type: none"> <li>• Integrated mouse cursor control</li> </ul>	Yes; Also externally via USB
<b>Keyboard fonts</b>	
<ul style="list-style-type: none"> <li>• Function keys</li> <li>— Number of function keys</li> </ul>	No 0
<b>Touch operation</b>	
<ul style="list-style-type: none"> <li>• Design as touch screen</li> <li>• Monitor keyboard</li> </ul>	Yes Yes
<b>Installation type/mounting</b>	
Design	Pedestal mounting
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	2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
<ul style="list-style-type: none"> <li>• DVI-D</li> <li>• DisplayPort</li> </ul>	No Yes; DisplayPort V1.1

Touch interfaces	
• USB	Yes
Degree and class of protection	
IP (all-round)	IP65
IP (at the front)	IP65
IP65 at front	Yes
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
NEMA4 at the front	Yes
NEMA4X at the front	Yes
IP65 rear	Yes
Standards, approvals, certificates	
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
Use in hazardous areas	
• ATEX Zone 2	No
• ATEX Zone 22	No
• FM Class I Division 2	No
Marine approval	
• 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
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	50 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	95 %; no condensation
Vibrations	
• Vibration load in operation	1 gn

• Vibration load during transport/storage	1 gn
<b>Shock testing</b>	
• Shock load during operation	15 gn
• Shock load during transport/storage	15 gn
<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 incl. packaging	10 kg
<b>last modified:</b>	08/26/2019