

SIMATIC IFP1900 PRO Full HD Flat Panel 19" display (16:9), multi-touch, Full HD resolution, prepared for support arm and expansion elements; 1920 x 1080 pixels, for 24 V DC, display port, IP65, fully enclosed, Ethernet monitor



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"> Horizontal image resolution 	1 920 pixel
<ul style="list-style-type: none"> Vertical image resolution 	1 080 pixel
<ul style="list-style-type: none"> Pixel size, horizontal 	0.213 mm
<ul style="list-style-type: none"> Pixel size, vertical 	0.213 mm
General features	
<ul style="list-style-type: none"> Brightness/contrast 	350 cd/m ² / 1 000:1
<ul style="list-style-type: none"> non-reflective and tempered mineral glass screen 	Yes
<ul style="list-style-type: none"> Detachable from computer unit 	100 m; Ethernet
<ul style="list-style-type: none"> Luminance 	350 cd/m ²
Backlighting	
<ul style="list-style-type: none"> Type of backlighting 	LED
<ul style="list-style-type: none"> MTBF backlighting (at 25 °C) 	50 000 h; At 25°C
<ul style="list-style-type: none"> Backlight dimmable 	Yes; 0-100 %
Control elements	
Input device	
<ul style="list-style-type: none"> Integrated mouse cursor control 	Yes; Also externally via USB
Touch operation	
<ul style="list-style-type: none"> Design as touch screen 	Yes; Projective-capacitive
<ul style="list-style-type: none"> Monitor keyboard 	Yes
Installation type/mounting	
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
VESA mounting	Yes; With VESA adapter set

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	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
Power loss	
Power loss, typ.	30 W
Power loss, max.	30 W
Interfaces	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• DVI-D	No
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	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	10 m/s ²
• Vibration load during transport/storage	10 m/s ²
Shock testing	
• Shock load during operation	150 m/s ²

- shock acceleration during storage/transport 150 m/s²

Mechanics/material

- Enclosure material (front)
 - Glass Yes; at front

Dimensions

Width	462 mm
Height	292 mm
Depth	163 mm

Weights

Weight (without packaging)	5.7 kg
Weight (with packaging)	10 kg

last modified: 11/2/2021 