

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 • Vertical image resolution • Pixel size, horizontal • Pixel size, vertical 	1 920 pixel 1 080 pixel 0.213 mm 0.213 mm
General features	
<ul style="list-style-type: none"> • Brightness/contrast • non-reflective and tempered mineral glass screen • Detachable from computer unit • Luminance 	350 cd/m ² / 1 000:1 Yes 100 m; Ethernet 350 cd/m ²
Backlighting	
<ul style="list-style-type: none"> • Type of backlighting • MTBF backlighting (at 25 °C) • Backlight dimmable 	LED 50 000 h; At 25°C Yes; 0-100 %
Control elements	
Input device	
<ul style="list-style-type: none"> • Integrated mouse cursor control 	Yes; Also externally via USB
Keyboard fonts	
<ul style="list-style-type: none"> • Function keys — Number of function keys 	No 0
Touch operation	
<ul style="list-style-type: none"> • Design as touch screen • Monitor keyboard 	Yes; Projective-capacitive 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	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
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	
<ul style="list-style-type: none"> analog video signal (VGA) 	No
<ul style="list-style-type: none"> DVI-D 	No
<ul style="list-style-type: none"> DisplayPort 	Yes; DisplayPort V1.1
Touch interfaces	
<ul style="list-style-type: none"> USB 	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front) <ul style="list-style-type: none"> Enclosure Type 4 at the front Enclosure Type 4x at the front 	Yes 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	
<ul style="list-style-type: none"> ATEX Zone 2 ATEX Zone 22 FM Class I Division 2 	No No No
Marine approval	
<ul style="list-style-type: none"> Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Polski Rejestr Statkow (PRS) 	No No No No No No No
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> min. max. 	0 °C 50 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> min. max. 	-20 °C 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/s ²
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: 12/18/2020 