

SIMATIC IFP1900 pro HD Flat Panel 19" display (16:9), Multitouch, 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
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	
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• Detachable from computer unit • Brightness/contrast • non-reflective and tempered mineral glass screen • Luminance	Up to 100 m Ethernet 350 cd/m ² / 1 000:1 Yes 350 cd/m ²
Backlighting	
• Type of backlighting • MTBF backlighting (at 25 °C) • Backlight dimmable	LED 50 000 h; At 25°C Yes; 0-100 %
Control elements	
Input device	
• Integrated mouse cursor control	Yes; Also externally via USB
Touch operation	
• Design as touch screen • Monitor keyboard	Yes; Projective-capacitive Yes
Installation type/mounting	
Design	Support arm mounting
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	2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• DVI-D • DisplayPort	No Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes

Degree and class of protection	
IP (all-round)	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
Shock testing	
• Shock load during operation	15 gn

- Shock load during transport/storage

15 gn

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 incl. packaging

10 kg

last modified:

10/24/2018 