

SIMATIC IFP1900 V2 PRO, 19 multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, with operator control, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



General information	
Product type designation	IFP1900 V2 PRO
Short designation	Flat Panel 19" PRO multi-touch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in; 19"
Screen diagonal [cm]	47 cm
Display width	408.96 mm
Display height	230.04 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"> • Image resolution • Horizontal image resolution • Vertical image resolution • Pixel size, horizontal • Pixel size, vertical 	1 920 x 1 080 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; HDBaseT protocol 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	
Control elements	multi-touch screen
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 • Design as multi-touch screen • Monitor keyboard 	Yes; Projective-capacitive 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)
VESA mounting	Yes; VESA 100 x 100 integrated
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
Input current	
Current consumption (rated value)	1.2 A
Current consumption, max.	1.5 A
Starting current inrush I _{st}	0.5 A ² ·s
Power loss	
Power loss, typ.	29 W
Power loss, max.	36 W
Interfaces	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• DisplayPort	Yes; Display port V1.2
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	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes
cULus	Yes; Corresponds to UL 508
FM approval	Available soon
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Use in hazardous areas	
• ATEX Zone 2	Available soon
• ATEX Zone 22	Available soon
• IECEx Zone 2	Available soon
• IECEx Zone 22	Available soon
• cULus Class I Zone 2, Division 2	Available soon
• FM Class I Division 2	Available soon
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
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 acceleration during storage/transport 15 gn

Mechanics/material

Enclosure material (front)	In standard design
<ul style="list-style-type: none"> • Aluminum 	Yes
<ul style="list-style-type: none"> • Aluminum casting 	Yes
<ul style="list-style-type: none"> • Glass 	Yes; at front
Enclosure material (rear)	aluminum

Dimensions

Width	462 mm
Height	296 mm; Without basic adapter
Depth	163 mm; Without basic adapter
Width of the housing front	462 mm
Height of housing front	292 mm

Weights

Weight (without packaging)	6.9 kg
Weight (with packaging)	7.8 kg

last modified: 2/23/2022 