

SIMATIC IFP1900 PRO HD Flat Panel 19" display (16:9), Multitouch, Full HD resolution, suitable for pedestal/ extension components, 1920 x 1080 pixels, for 24V DC, DisplayPort / DVI interface IP65 fully enclosed, ethernet monitor with base adapter



Figure similar

General information	
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"> • Detachable from computer unit • Brightness/contrast • non-reflective and tempered mineral glass screen • Luminance 	Up to 100 m Ethernet 350 cd/m ² / 1000:1 Yes 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
Touch operation	
<ul style="list-style-type: none"> • Design as touch screen • Monitor keyboard 	Yes; Projective-capacitive Yes
Installation type/mounting	
Design	Pedestal mounting
Support arm mounting	No
Stand mounting	Yes
VESA mounting	No
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	
<ul style="list-style-type: none"> • DVI-D • DisplayPort 	No Yes; DisplayPort V1.1
Touch interfaces	
<ul style="list-style-type: none"> • USB 	Yes
Degree and class of protection	
IP (all-round)	IP65
Enclosure Type 4 at the front	Yes

Enclosure Type 4x at the front	Yes
NEMA4 at the front	Yes
NEMA4X 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

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
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Use in hazardous areas

<ul style="list-style-type: none"> • ATEX Zone 2 • ATEX Zone 22 • FM Class I Division 2 	No
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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	
<ul style="list-style-type: none"> • Operation, max. 	95 %; no condensation

Vibrations	
<ul style="list-style-type: none"> • Vibration load in operation • Vibration load during transport/storage 	1 gn 1 gn

Shock testing	
<ul style="list-style-type: none"> • Shock load during operation • Shock load during transport/storage 	15 gn 15 gn

Mechanics/material

Enclosure material (front)	
<ul style="list-style-type: none"> • Glass 	Yes; at front

Dimensions

Width	462 mm
Height	292 mm; Without basic adapter
Depth	94 mm; Without basic adapter

Weights

Weight without packaging	5.7 kg
Weight incl. packaging	10 kg

last modified: 10/13/2017