

SIMATIC IFP1900 Flat Panel 19" display (16: 9), Multitouch, 1366x 768 pixels, for 24 V DC, display port interface Ethernet interface incl. DP/USB cable 1.8 m



Figure similar

General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" multi-touch Ethernet
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	170° x 160°
Resolution (pixels)	
• Horizontal image resolution	1 366 Pixel
• Vertical image resolution	768 Pixel
• Pixel size, horizontal	0.3 mm
• Pixel size, vertical	0.3 mm

General features	
• Brightness/contrast	300 cd/m ² / 1 000:1
• Luminance	300 cd/m ²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
Control elements	
Keyboard fonts	
• Function keys	No
— Number of function keys	0
Touch operation	
• Design as touch screen	Yes
Installation type/mounting	
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	Yes; 2x onboard
Video interfaces	
• analog video signal (VGA)	No
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Industrial Ethernet	
• Transmission rate, max.	1 000 Mbit/s
Degree and class of protection	
IP (at the front)	IP66
IP (rear)	IP20
NEMA (front)	
• Enclosure Type 4 at the front	Yes

- Enclosure Type 4x at the front
- Enclosure Type 12 at the front

Yes
Yes

Standards, approvals, certificates

CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes

Use in hazardous areas

- ATEX Zone 2
- ATEX Zone 22
- FM Class I Division 2

Yes; Available soon
Yes; Available soon
Yes; Available soon

Marine approval

- 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)

Yes; Available soon
Yes; Available soon
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Yes; Available soon

Ambient conditions

Ambient temperature during operation

- min.
- max.

0 °C
45 °C; Vertical installation (horizontal)

Ambient temperature during storage/transportation

- min.
- max.

-20 °C
60 °C

Vibrations

- Vibration load in operation
- Vibration load during transport/storage

10 m/s²
10 m/s²

Shock testing

- Shock load during operation
- shock acceleration during storage/transport

150 m/s²
150 m/s²

Mechanics/material

Enclosure material (front)

- Glass

Yes

Dimensions

Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm; Tolerance: +1 mm
Mounting cutout, height	319 mm; Tolerance: +1 mm
Overall depth	62.5 mm

Weights

Weight without packaging	5.8 kg
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Weight incl. packaging	6.8 kg
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