

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 <sup>2</sup> / 1 000:1
• Luminance	300 cd/m <sup>2</sup>
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

Yes; Available soon

- ATEX Zone 22

Yes; Available soon

- FM Class I Division 2

Yes; Available soon

### Marine approval

- Germanischer Lloyd (GL)

Yes; Available soon

- American Bureau of Shipping (ABS)

Yes; Available soon

- Bureau Veritas (BV)

Yes; Available soon

- Det Norske Veritas (DNV)

Yes; Available soon

- Lloyds Register of Shipping (LRS)

Yes; Available soon

- Nippon Kaiji Kyokai (Class NK)

Yes; Available soon

### Ambient conditions

#### Ambient temperature during operation

- min.

0 °C

- max.

45 °C; Vertical installation (horizontal)

#### Ambient temperature during storage/transportation

- min.

-20 °C

- max.

60 °C

#### Vibrations

- Vibration load in operation

10 m/s<sup>2</sup>

- Vibration load during transport/storage

10 m/s<sup>2</sup>

#### Shock testing

- Shock load during operation

150 m/s<sup>2</sup>

- Shock load during transport/storage

150 m/s<sup>2</sup>

### 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
--------------------------	--------

Weight incl. packaging	6.8 kg
------------------------	--------

<b>last modified:</b>	06/12/2020
-----------------------	------------