

SIMATIC IFP1900 Flat Panel 19" display (16: 9), Multitouch,
 Extended version up to 30 m, 1366x 768 pixels, for 24 V DC and
 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



Figure similar

General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" 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	170° x 160°
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Resolution (pixels)	
• Horizontal image resolution	1 366 Pixel
• Vertical image resolution	768 Pixel
• Pixel size, horizontal	0.3 mm
• Pixel size, vertical	0.3 mm

General features	
• Detachable from computer unit	30 m
• Brightness/contrast	300 cd/m ² / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• 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
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard	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	AC/DC
Rated value (DC)	24 V; PELV
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	100 V; Up to 240V, 50/60 Hz
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
USB on the rear	2
Connection for keyboard/mouse	USB
Video interfaces	
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Degree and class of protection	

IP65 at front	Yes
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Enclosure Type 12 at the front	Yes
NEMA4 at the front	No
NEMA4X at the front	No

Standards, approvals, certificates

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

Use in hazardous areas

<ul style="list-style-type: none"> • ATEX Zone 2 	Yes; Available soon
<ul style="list-style-type: none"> • ATEX Zone 22 	Yes; Available soon
<ul style="list-style-type: none"> • FM Class I Division 2 	No

Marine approval

<ul style="list-style-type: none"> • Germanischer Lloyd (GL) 	No
<ul style="list-style-type: none"> • American Bureau of Shipping (ABS) 	No
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	No
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (Class NK) 	No

Ambient conditions

Ambient temperature during operation

<ul style="list-style-type: none"> • min. 	0 °C
<ul style="list-style-type: none"> • max. 	45 °C; Vertical installation (horizontal)

Ambient temperature during storage/transportation

<ul style="list-style-type: none"> • min. 	-20 °C
<ul style="list-style-type: none"> • max. 	60 °C

Relative humidity

<ul style="list-style-type: none"> • Operation, max. 	95 %; no condensation
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Vibrations

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

Shock testing

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

Mechanics/material

Enclosure material (front)	
<ul style="list-style-type: none"> • 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	5.5 kg
Weight incl. packaging	6.5 kg

last modified: 11/25/2019