

SIMATIC IFP 1900 V2 ext. hygienic, IP69, stainless steel, 19" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit for 24 V DC, display port interface, can be placed up to 100 m away HDBaseT, USB on the rear side, blue FDA compliant gasket, increased impact protection with splinter protection display front according to directives EN 1672-2, FDA 21 CFR 177.2006 hygienic design



General information	
Product type designation	IFP1900 V2 ext. hyg.
Short designation	Flat Panel 19" multi-touch ext. hygienic
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"> <li>Image resolution</li> </ul>	1 920 x 1 080
<ul style="list-style-type: none"> <li>Pixel size, horizontal</li> </ul>	0.213 mm
<ul style="list-style-type: none"> <li>Pixel size, vertical</li> </ul>	0.213 mm
General features	
<ul style="list-style-type: none"> <li>Brightness/contrast</li> </ul>	350 cd/m <sup>2</sup> / 1 000:1
<ul style="list-style-type: none"> <li>non-reflective and tempered mineral glass screen</li> </ul>	No; reinforced pane with shatter protection film
<ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>	100 m; HDBaseT protocol
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED
<ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h; At 25°C
<ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Input device	
<ul style="list-style-type: none"> <li>Integrated mouse cursor control</li> </ul>	Yes; Also externally via USB
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	Yes; Projective-capacitive
<ul style="list-style-type: none"> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive
<ul style="list-style-type: none"> <li>Monitor keyboard</li> </ul>	Yes; If supported by operating system
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	Yes; VESA 100 x 100 integrated
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
Built-in unit	Yes; Portrait mode possible

maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°
<b>Supply voltage</b>	
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
<b>Input current</b>	
Current consumption (rated value)	1.2 A
Current consumption, max.	1.5 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> s
<b>Power loss</b>	
Power loss, typ.	29 W
Power loss, max.	35 W
<b>Interfaces</b>	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• DisplayPort	Yes; Display port V1.2
<b>Touch interfaces</b>	
• USB	Yes; (device)
<b>Degree and class of protection</b>	
IP (at the front)	IP66K, IP69
IP (rear)	IP20
NEMA (front)	
• Enclosure Type 4x at the front	Yes
• Enclosure Type 12 at the front	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	No; in preparation
CCC	No; in preparation
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• cULus Class I Zone 2, Division 2	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	50 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	2 000 m
<b>Relative humidity</b>	
• Operation, max.	90 %; no condensation
<b>Vibrations</b>	
• Vibration load in operation	10 m/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>
<b>Shock testing</b>	
• Shock load during operation	150 m/s <sup>2</sup>

- shock acceleration during storage/transport

250 m/s<sup>2</sup>

### Mechanics/material

Enclosure material (front)	Yes; shatter protection film
<ul style="list-style-type: none"> <li>• Plastic</li> <li>• Stainless steel</li> </ul>	Yes
Enclosure material (rear)	stainless steel, aluminum

### Dimensions

Width of the housing front	478.4 mm
Height of housing front	308.2 mm
Mounting cutout, width	448 mm; Tolerance: +1 mm
Mounting cutout, height	278 mm; Tolerance: +1 mm
Overall depth	67.7 mm

### Weights

Weight (without packaging)	6.2 kg
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### Classifications

	Version	Classification
eClass	14	19-20-02-01
eClass	12	19-20-02-01
eClass	9.1	19-20-02-01
eClass	9	19-20-02-01
eClass	8	19-20-02-01
eClass	7.1	19-20-02-01
eClass	6	19-20-02-01
ETIM	10	EC004862
ETIM	9	EC001428
ETIM	8	EC001428
ETIM	7	EC001428

### Approvals / Certificates

#### General Product Approval



[Manufacturer Declaration](#)

[Miscellaneous](#)

[KC](#)



#### EMV

#### For use in hazardous locations

[KC](#)



[CCC-Ex](#)



#### For use in hazardous locations

other

Food, Pharmaceutical, Medical



[Miscellaneous](#)

[Special Test Certificate](#)

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