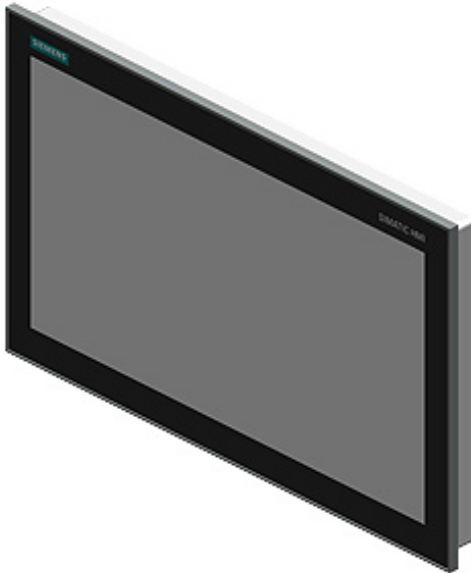


SIMATIC IFP1900, FLAT PANEL 19" DISPLAY (16:9),  
 MULTITOUCH, EXTENDED VERSION MAX. 30M, 1920 x 1080  
 Pixel, DC 24V POTENTIAL FREE DISPLAYPORT / DVI INTERFACE  
 INCL. DVI/USB-CABLE 1,8 M STANDARD-DESIGN



General information	
Short designation	19" Flat Panel Full HD
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	
• Detachable from computer unit	30 m

• Brightness/contrast	350 cd/m <sup>2</sup> / 1000:1
• non-reflective and tempered mineral glass screen	Yes
• Luminance	350 cd/m <sup>2</sup>
<b>Backlighting</b>	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
<b>Control elements</b>	
<b>Touch operation</b>	
• Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
<b>Installation type/mounting</b>	
Design	Built-in unit
VESA mounting	No
<b>Supply voltage</b>	
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
<b>Power loss</b>	
Power loss, typ.	25 W
Power loss, max.	30 W
<b>Interfaces</b>	
USB on the rear	2
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
<b>Touch interfaces</b>	
• USB	Yes
<b>Degree and class of protection</b>	
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
IP20 rear	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes

UL approval	Yes; cULus, cUL
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	No; Available soon
<b>Marine approval</b>	
<ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> <li>• American Bureau of Shipping (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (Class NK)</li> </ul>	No; Available soon
<b>Use in hazardous areas</b>	
<ul style="list-style-type: none"> <li>• ATEX Zone 2</li> <li>• ATEX Zone 22</li> <li>• FM Class I Division 2</li> </ul>	No; Available soon
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	0 °C 50 °C; Vertical installation (horizontal)
<b>Ambient temperature during storage/transportation</b>	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	-20 °C 60 °C
<b>Relative humidity</b>	
<ul style="list-style-type: none"> <li>• Operation, max.</li> </ul>	95 %; no condensation
<b>Vibrations</b>	
<ul style="list-style-type: none"> <li>• Vibration load in operation</li> <li>• Vibration load during transport/storage</li> </ul>	1 gn 1 gn
<b>Shock testing</b>	
<ul style="list-style-type: none"> <li>• Shock load during operation</li> <li>• Shock load during transport/storage</li> </ul>	15 gn 15 gn
<b>Mechanics/material</b>	
<ul style="list-style-type: none"> <li>• Enclosure material (front)</li> <li>• Glass</li> </ul>	Yes
<b>Dimensions</b>	
Width of the housing front	464 mm
Height of housing front	294 mm
Mounting cutout, width	448 mm; Tolerance: +1 mm
Mounting cutout, height	278 mm; Tolerance: +1 mm
Overall depth	62.5 mm
<b>Weights</b>	
Weight without packaging	5.7 kg

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Weight incl. packaging

6.8 kg

**last modified:**

10/13/2017