

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



General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" multi-touch Ethernet
Display	
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°
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	
• Brightness/contrast	300 cd/m <sup>2</sup> / 1 000:1

• Luminance	300 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>Keyboard fonts</b>	
• Function keys	No
<b>Installation type/mounting</b>	
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
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
<b>Power loss</b>	
Power loss, typ.	40 W
Power loss, max.	65 W
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	2
<b>Video interfaces</b>	
• DisplayPort	Yes; DisplayPort V1.1
<b>Touch interfaces</b>	
• USB	Yes
<b>Industrial Ethernet</b>	
• Transmission rate, max.	1 000 Mbit/s
<b>Degree and class of protection</b>	
IP (at the front)	IP66
IP65 at front	Yes
IP66 at the 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
IP20 rear	Yes
<b>Standards, approvals, certificates</b>	

CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes; Available soon
• ATEX Zone 22	Yes; Available soon
• FM Class I Division 2	Yes; Available soon
<b>Marine approval</b>	
• 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
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	45 °C; Vertical installation (horizontal)
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Vibrations</b>	
• Vibration load in operation	1 gn
• Vibration load during transport/storage	1 gn
<b>Shock testing</b>	
• Shock load during operation	15 gn
• Shock load during transport/storage	15 gn
<b>Mechanics/material</b>	
<b>Enclosure material (front)</b>	
• Glass	Yes
<b>Dimensions</b>	
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
<b>Weights</b>	
Weight without packaging	5.8 kg
Weight incl. packaging	6.8 kg

last modified:

08/13/2018