



SIMATIC IFP1900 V2 Extended 5:4 19" multi-touch display (5:4) with 1280x 1024 pixel resolution, built-in unit for 24 V DC; DisplayPort; can be placed up to 100 m away HDBaseT; USB on the rear side; standard Siemens design

General information	
Short designation	Flat Panel 19" multi-touch ext.
Display	
Design of display	TFT display, LED backlighting
Screen diagonal	19 in
Screen diagonal [cm]	48.3 cm
Display width	376.3 mm
Display height	301.1 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)	
• Image resolution	1 280 x 1 024
• Horizontal image resolution	1 280 pixel
• Vertical image resolution	1 024 pixel
• Pixel size, horizontal	0.294 mm
• Pixel size, vertical	0.294 mm
General features	
• Brightness/contrast	350 cd/m ² / 2 000:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	100 m; HDBaseT V2.0
• Luminance	350 cd/m ²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
Control elements	
Control elements	multi-touch screen
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
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°

Supply voltage	
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
Input current	
Current consumption (rated value)	0.95 A
Current consumption, max.	1.47 A
Inrush current, max.	2.8 A
Starting current inrush I ² t	0.5 A ² ·s
Power loss	
Power loss, typ.	22.7 W
Power loss, max.	28 W
Interfaces	
Number of USB interfaces	3; 2x USB 2.0 type A, 1x USB 2.0 type B
USB on the rear	Yes; 2x onboard
USB at the front	No
Connection for keyboard/mouse	USB
Video interfaces	
<ul style="list-style-type: none"> • DVI-D • DisplayPort 	<p>No</p> <p>Yes; Display port V1.2</p>
Touch interfaces	
<ul style="list-style-type: none"> • USB 	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
<ul style="list-style-type: none"> • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; cULus, cUL
<ul style="list-style-type: none"> • UL 508 	UL 61010
cULus	Yes
Use in hazardous areas	
<ul style="list-style-type: none"> • ATEX Zone 22 	No
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	<p>0 °C</p> <p>50 °C</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	<p>-20 °C</p> <p>60 °C</p>
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> • Installation altitude above sea level, max. 	3 500 m
Relative humidity	
<ul style="list-style-type: none"> • Operation, max. 	90 %; no condensation
Vibrations	
<ul style="list-style-type: none"> • Vibration load in operation • Vibration load during transport/storage 	<p>1 gn</p> <p>1 gn</p>
Shock testing	
<ul style="list-style-type: none"> • Shock load during operation • shock acceleration during storage/transport 	<p>15 gn</p> <p>15 gn</p>
Mechanics/material	
Enclosure material (front)	
<ul style="list-style-type: none"> • Aluminum • Aluminum casting • Glass 	<p>Yes</p> <p>Yes</p> <p>Yes; at front</p>
Enclosure material (rear)	aluminum

Dimensions	
Width of the housing front	466 mm
Height of housing front	396 mm
Mounting cutout, width	448 mm; Tolerance: +1 mm
Mounting cutout, height	378 mm; Tolerance: +1 mm
Overall depth	63.4 mm
Weights	
Weight (without packaging)	6.7 kg
Weight (with packaging)	8 kg

last modified: 1/10/2022 