

SIMATIC IFP1900 V2 Standard 5:4 19" multi-touch display (5:4) with 1280x1024 pixel resolution; built-in unit for 24 V DC; display port/DVI interface; including DP/USB cable 1.8 m; USB on the rear side; standard Siemens design

General information	
Short designation	Flat Panel 19" multi-touch
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	5 m
• 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)	0.86 A; without external loading 2x USB
Current consumption, max.	1.34 A

Inrush current, max.	2.8 A
Starting current inrush I _{st}	0.5 A ² ·s
Power loss	
Power loss, typ.	20.7 W
Power loss, max.	26 W; approx. 6 W in additional to typ. power loss
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	
• DVI-D	Yes
• DisplayPort	Yes; Display port V1.2
Touch interfaces	
• USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes
• Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; cULus, cUL
• UL 508	UL 61010
cULus	Yes
Use in hazardous areas	
• ATEX Zone 22	No
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	50 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	3 500 m
Relative humidity	
• Operation, max.	90 %; no condensation
Vibrations	
• Vibration load in operation	1 gn
• Vibration load during transport/storage	1 gn
Shock testing	
• Shock load during operation	15 gn
• shock acceleration during storage/transport	15 gn
Mechanics/material	
Enclosure material (front)	
• Aluminum	Yes
• Aluminum casting	Yes
• Glass	Yes; at front
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

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