

SIMATIC IFP1900 FLAT PANEL 19" DISPLAY (16:9),
TOUCH, STANDARD VERSION, MAX 5M,
1366X768 PIXEL, FOR 24V DC,
DISPLAYPORT / DVI INTERFACE INCL. DVI/USB-CABLE
1,8M



General information

Short designation

Flat Panel 19" Touch

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°

Type

TFT

On Screen Display (OSD) configuration

No, can be set with the software

Number of colors (bit levels)

24 bit

Number of colors

16777216

Resolution (pixels)

horizontal image resolution

1366

vertical image resolution

768

Resolution (WxH in pixel)

1366 x 768

Pixel size, horizontal

0.3 mm

Pixel size, vertical

0.3 mm

General features

Detachable from computer unit	5 m
Brightness/contrast	300cd/m ² / 1000:1
Brightness, max.	300 cd/m ²
Backlighting	
Backlighting (type)	LED
MTBF backlighting (up to 50%, at 25 °C)	50000 h ; At 25°C
Backlight dimmable	Yes ; 0-100 %
Control elements	
Function keys	No
Touch operation	
Touch keyboard	Yes
Installation type/mounting	
Built-in unit	Yes ; Portrait mode possible
permissible angle to the vertical backward (console)	35 °
permissible angle to the vertical forward (ceiling mounting)	35 °
Supply voltage	
Type of supply voltage	DC
DC	Yes
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Power loss	
Power loss DC	
typical	40 W
Maximum	65 W
Interfaces	
Video interfaces	
DVI-D	Yes
Display port	Yes ; Display port V1.1
Touch interfaces	
USB	Yes
Degree and class of protection	
IP65 at front	Yes
Enclosure Type 4 at the front	Yes
NEMA4 at the front	No
NEMA4X at the front	No
IP20 rear	Yes
Standards, approvals, certificates	

CE mark	Yes
KC approval	Yes
cULus	Yes ; Corresponds to UL 508
RCM (former C-TICK)	Yes
Use in hazardous areas	
FM Class I Division 2	Yes
Ambient conditions	
Min. ambient temperature	0 °C
Max. ambient temperature	45 °C ; Vertical installation (horizontal)
Storage/transport temperature	
min.	-20 °C
max.	60 °C
Relative humidity	
Relative humidity during operation	95 % ; Non-condensing
Vibrations	
Vibration load in operation	1 g
Vibration load during transport/storage	1 g
Shock testing	
Shock load during operation	15 g
Shock load during transport/storage	15 g
Mechanics/material	
Type of housing (front)	aluminum
Aluminum	Yes
Dimensions	
Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout/device depth (W x H x D)	
Mounting cutout, width	465 mm ; Tolerance: +1 mm
Mounting cutout, height	319 mm ; Tolerance: +1 mm
Overall depth	62.5 mm
Weights	
Weight without packaging	5.5 kg
Weight incl. packaging	6.5 kg
Status	Jul 21, 2014