

SIMATIC IFP1900 FLAT PANEL 19" DISPLAY (16:9),
TOUCH, EXTENDED VERSION, MAX 30M,
1366X768 PIXEL,
FOR 24V DC AND 100-240V AC,
DISPLAYPORT / DVI INTERFACE INCL. DVI/USB-CABLE
1,8M



General information

Short designation Flat Panel 19" Touch ext.

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	30 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
Mouse/cursor control	
external mouse	USB
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
AC	Yes
DC	Yes
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	100 V ; Up to 240V 50/60Hz
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V
Power loss	
Power loss AC	
typical	40 W
Maximum	60 W
Power loss DC	
typical	40 W
Maximum	65 W
Interfaces	
USB on the rear	2
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
Connection method	
Connector (IEC) for cold condititons	Yes
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