

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



Figure similar

General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" Multitouch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
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°
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors (bit levels)	24 bit
Number of colors	16 777 216
Resolution (pixels)	
• Horizontal image resolution	1 366 Pixel
• Vertical image resolution	768 Pixel
• Resolution (WxH in pixel)	1366 x 768
• Pixel size, horizontal	0.3 mm

• Pixel size, vertical	0.3 mm
General features	
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	30 m
• Brightness/contrast	300 cd/m ² / 1000:1
— Brightness, max.	300 cd/m ²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (up to 50%, at 25 °C)	50 000 h; At 25 °C
• Backlight dimmable	Yes; 0-100 %
Control elements	
Keyboard fonts	
• Function keys	No
Touch operation	
• Monitor 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	AC/DC
Rated value (DC)	24 V; PELV
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	100 V; Up to 240V, 50/60 Hz
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
Connection for keyboard/mouse	USB
Video interfaces	

• DVI-D	Yes
• Display port	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Degree and class of protection	
IP65 at 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
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
Marine approval	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
Use in hazardous areas	
• ATEX Zone 2	Yes; Available soon
• ATEX Zone 22	Yes; Available soon
• FM Class I Division 2	No
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	95 %; Non-condensing
Vibrations	
• Vibration load in operation	1 gn
• Vibration load during transport/storage	1 gn
Shock testing	

- Shock load during operation 15 gn
- Shock load during transport/storage 15 gn

Connection method

Connector (IEC) for cold conditions Yes

Mechanics/material

Type of housing (front) Glass

Enclosure material (front)
 • Glass Yes

Dimensions

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

Weights

Weight without packaging 5.5 kg

Weight incl. packaging 6.5 kg

last modified: 02.03.2016