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Data sheet 6AV7466-6MA02-0AA0

SIMATIC IFP1900 pro HD Flat Panel 19" display (16:9), Multitouch, Full HD resolution, prepared for support arm and expansion elements; 1920 x 1080 pixels, for 24 V DC, display port, IP65, Fully enclosed, Ethernet monitor



General information	
Product type designation	IFP1900 PRO HD
Short designation	Flat Panel 19" PRO Full HD ETH multi-touch 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
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	178° x 178°
Resolution (pixels)	
● Horizontal image resolution	1 920 pixel
● Vertical image resolution	1 080 pixel
● Pixel size, horizontal	0.213 mm
● Pixel size, vertical	0.213 mm
General features	
● Brightness/contrast	350 cd/m² / 1 000:1
● non-reflective and tempered mineral glass screen	Yes
● Detachable from computer unit	100 m
● Luminance	350 cd/m²
Backlighting	
● Type of backlighting	LED
● MTBF backlighting (at 25 °C)	50 000 h; At 25°C
● Backlight dimmable	Yes; 0-100 %
Control elements	
Input device	
● Integrated mouse cursor control	Yes; Also externally via USB
Keyboard fonts	
● Function keys	No
— Number of function keys	0
Touch operation	
● Design as touch screen	Yes; Projective-capacitive
● Monitor keyboard	Yes
Installation type/mounting	
Design	Support arm mounting

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Front mounting	No
Support arm mounting	Yes
Stand mounting	No
VESA mounting	Yes
Built-in unit	No
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
Supply voltage	
Type of supply voltage	24 V DC
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, typ.	30 W
Power loss, max.	30 W
Interfaces	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	Yes
Connection for keyboard/mouse	USB
Video interfaces	
● analog video signal (VGA)	No
● DVI-D	No
● DisplayPort	Yes
Touch interfaces	
● USB	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; In application process
cULus	Yes; In application process
KC approval	No
Use in hazardous areas	
● ATEX Zone 2	No
● ATEX Zone 22	No
● FM Class I Division 2	No
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
● Polski Rejestr Statkow (PRS)	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Relative humidity	
● Operation, max.	95 %; no condensation
Vibrations	
● Vibration load in operation	10 m/s²
● Vibration load during transport/storage	10 m/s²
Shock testing	
● Shock load during operation	150 m/s²
● shock acceleration during storage/transport	150 m/s²

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Mechanics/material	
Enclosure material (front)	
● Glass	Yes; at front
Dimensions	
Width	462 mm
Height	292 mm
Depth	163 mm
Weights	
Weight without packaging	5.7 kg
Weight incl. packaging	10 kg

last modified: 12/18/2020

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