



SIMATIC IFP (Ethernet MON), 19" Touch TFT, with continuous foil, INOX enclosure, all-round IP66, Flange adapter for supporting foot, 2x illuminated pushbuttons LED, 1x emergency switching-off on terminal, Display port, Ethernet, USB, 24 V DC power supply; based on SIMATIC IFP1900 (6AV7863-3MA20-0AA0) for connection (1: 1) at IPC427D

General information	
Product type designation	IFP1900 INOX PRO
Short designation	Flat Panel 19" INOX PRO ETH single-touch
Display	
Design of display	18.5" TFT widescreen display
Screen diagonal	18.5 in
Screen diagonal [cm]	47 cm
Display width	409.8 mm
Display height	230.4 mm
Number of colors	16 000 000
Resolution (pixels)	
• Horizontal image resolution	1 366 pixel
• Vertical image resolution	768 pixel
General features	
• Brightness/contrast	400 cd/m ² / 700:1
• non-reflective and tempered mineral glass screen	No
• Detachable from computer unit	100 m
• Luminance	400 cd/m ²
Backlighting	
• Type of backlighting	LED, dimmable
• MTBF backlighting (at 25 °C)	50 000 h
• Backlight dimmable	Yes
Control elements	
Control elements	single-touch screen
Input device	
• Integrated mouse cursor control	No
Touch operation	
• Design as touch screen	Yes
• Design as multi-touch screen	No
• Monitor keyboard	No
Installation type/mounting	
Design	Pedestal mounting
Front mounting	No
Support arm mounting	No
Stand mounting	Yes
VESA mounting	No
Mounting in portrait format possible	No
Mounting in landscape format possible	No
Built-in unit	No

maximum permitted forward tilt angle from vertical	30°
maximum permitted backward tilt angle from vertical	-30°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	2 A
Starting current inrush I ² t	0.5 A ² ·s
Power loss	
Power loss, typ.	40 W
Interfaces	
Number of industrial Ethernet interfaces	1
Number of USB interfaces	2
USB on the rear	No
USB at the front	No
Connection for keyboard/mouse	USB
Video interfaces	
• DVI-D	No
• DisplayPort	Yes
Touch interfaces	
• USB	Yes
Industrial Ethernet	
• Transmission rate, max.	1 Mbit/s
Degree and class of protection	
IP (at the front)	IP66
IP (rear)	IP66
NEMA (front)	
• Enclosure Type 4 at the front	No
• Enclosure Type 4x at the front	No
• Enclosure Type 12 at the front	No
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
• UL 508	Yes
cULus	Yes
FM approval	No
RCM (formerly C-TICK)	No
KC approval	No
EAC (formerly Gost-R)	No
CCC	No
FCC	Yes
EMC	CE, EN 61000-6-4; CISPR 22 Class A; FCC Class A
Marine approval	No
Use in hazardous areas	
• ATEX Zone 2	No
• ATEX Zone 22	No
• IECEx Zone 2	No
• IECEx Zone 22	No
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	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
• Korean Register of Shipping (KRS)	No

<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) • Polski Rejestr Statkow (PRS) • Chinese Classification Society (CCS) 	No
	No
	No
	No
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	0 °C 45 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	-20 °C 60 °C
Relative humidity	
<ul style="list-style-type: none"> • Operation, max. 	85 %
Vibrations	
<ul style="list-style-type: none"> • Vibration load in operation • Vibration load during transport/storage 	10 m/s ² 10 m/s ²
Shock testing	
<ul style="list-style-type: none"> • Shock load during operation • shock acceleration during storage/transport 	150 m/s ² 250 m/s ²
configuration / header	
Configuration	
<ul style="list-style-type: none"> • Local • Remote 	Yes No
Mechanics/material	
Enclosure material (front)	
<ul style="list-style-type: none"> • Plastic • Aluminum • Stainless steel • Aluminum casting • Glass 	Stainless steel V2A Yes No Yes No No
Enclosure material (rear)	
Stainless steel V2A	
Dimensions	
Width	544 mm
Height	430.7 mm
Depth	136 mm
Weights	
Weight (without packaging)	15.5 kg
last modified:	11/2/2021 