



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 <sup>2</sup> / 700:1
• non-reflective and tempered mineral glass screen	No
• Detachable from computer unit	100 m
• Luminance	400 cd/m <sup>2</sup>
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°
<b>Supply voltage</b>	
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
<b>Input current</b>	
Current consumption (rated value)	2 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·s
<b>Power loss</b>	
Power loss, typ.	40 W
<b>Interfaces</b>	
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
<b>Video interfaces</b>	
• DVI-D	No
• DisplayPort	Yes
<b>Touch interfaces</b>	
• USB	Yes
<b>Industrial Ethernet</b>	
• Transmission rate, max.	1 Mbit/s
<b>Degree and class of protection</b>	
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
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	
• 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
<b>Use in hazardous areas</b>	
• 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
<b>Marine approval</b>	
• 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
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No

• Polski Rejestr Statkow (PRS)	No
• Chinese Classification Society (CCS)	No
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	85 %
Vibrations	
• Vibration load in operation	10 m/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>
Shock testing	
• Shock load during operation	150 m/s <sup>2</sup>
• shock acceleration during storage/transport	250 m/s <sup>2</sup>
<b>configuration / header</b>	
Configuration	
• Local	Yes
• Remote	No
<b>Mechanics/material</b>	
Enclosure material (front)	Stainless steel V2A
• Plastic	Yes
• Aluminum	No
• Stainless steel	Yes
• Aluminum casting	No
• Glass	No
Enclosure material (rear)	Stainless steel V2A
<b>Dimensions</b>	
Width	544 mm
Height	430.7 mm
Depth	136 mm
<b>Weights</b>	
Weight (without packaging)	15.5 kg
<b>last modified:</b>	11/2/2021 