SIEMENS

Data sheet   6AV7863-3MA15-1AA0

SIMATIC IFP1900 PRO, Flat Panel, 19" display (16:9), Multitouch, suitable for support arm w/o extension components, extended version max. 30m, 1366 x 768 pixel, for 24V DC, displayport/DVI Interface, IP65, fully enlosed, standard design

General information	
Product type designation	IFP1900 PRO
Short designation	Flat Panel 19" PRO multi-touch ext.

Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	19 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	170° x 160°
Resolution (pixels)	
• Horizontal image resolution	1 366 Pixel
• Vertical image resolution	768 Pixel
• Pixel size, horizontal	0.3 mm
• Pixel size, vertical	0.3 mm
General features	

• Brightness/contrast	300 cd/m² / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	30 m
• Luminance	300 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
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes

Installation type/mounting

Design	Support arm mounting
Support arm mounting	Yes; Suitable for support arm without extension components
Stand mounting	No
Built-in unit	No; IP65 fully enclosed
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; PELV / SELV floating
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V

Input current

Current consumption (rated value)	2 A
Inrush current, max.	2.8 A
Starting current inrush I²t	0.5 A²·s

Power

Active power input, typ.	40 W

Power loss

Power loss, typ.	40 W
Power loss, max.	60 W

Interfaces	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• analog video signal (VGA)	No
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes

Degree and class of protection	
IP (all-round)	IP65
IP (at the front)	
• IP65 at front	Yes
IP (rear)	
• IP65 rear	Yes
NEMA (front)	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes
• NEMA4 at the front	Yes
• NEMA4X at the front	Yes

Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• cULus Class I Zone 2, Division 2	Yes
• FM Class I Division 2	Yes

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C

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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 load during transport/storage	150 m/s²

Mechanics/material	
Enclosure material (front)	In standard design
• Aluminum	Yes
• Glass	Yes; at front

Dimensions	
Width	462 mm
Height	296 mm; Without basic adapter
Depth	94 mm; Without basic adapter

Weights	
Weight without packaging	7.3 kg
Weight incl. packaging	10 kg

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