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Data sheet 6AV7863-3MA14-1NA0

*** spare part *** SIMATIC IFP1900 PRO, Flat Panel 19" display (16:9), multi-touch, prepared for supporting foot, and expansion elements; extended version up to 30 m, 1366 x 768 pixels, for 24 V DC, display port/DVI interface, IP65, fully enclosed, neutral 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	18.5 in; 19"
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)	
● Image resolution	1 366 x 768
● 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	
Control elements	multi-touch screen
Input device	
● Integrated mouse cursor control	Yes; Also externally via USB
Touch operation	
● Design as touch screen	Yes
● Design as multi-touch screen	Yes; Projective-capacitive
● Monitor keyboard	Yes
Installation type/mounting	
Design	Pedestal mounting
Front mounting	No
Support arm mounting	No

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Stand mounting	Yes
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	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	
● DVI-D	Yes
● DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
● USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	
● Enclosure Type 4 at the front	Yes
● Enclosure Type 4x 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
Relative humidity	
● Operation, max.	95 %; no condensation
Vibrations	
● Vibration load in operation	10 m/s²
● Vibration load during transport/storage	10 m/s²

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Shock testing	
● Shock load during operation	150 m/s²
● shock acceleration during storage/transport	150 m/s²
Mechanics/material	
Enclosure material (front)	With neutral design
● Aluminum	Yes
● Glass	Yes; at front
Weights	
Weight (without packaging)	7.3 kg
Weight (with packaging)	10 kg

Classifications

	Version	Classification
eClass	16	19-20-02-01
eClass	14	19-20-02-01
eClass	12	19-20-02-01
eClass	9.1	19-20-02-01
eClass	9	19-20-02-01
eClass	8	19-20-02-01
eClass	7.1	19-20-02-01
eClass	6	19-20-02-01
ETIM	10	EC004862
ETIM	9	EC001428
ETIM	8	EC001428
ETIM	7	EC001428
IDEA	4	6675
UNSPSC	15	43-21-19-02

Approvals / Certificates

General Product Approval

Miscellaneous

Manufacturer Declaration

General Product Approval

China RoHS

last modified: 9/11/2026

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