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Data sheet 6AV7863-3TB10-0AA0

SIMATIC IFP1900 Flat Panel 19" display (16: 9), Touch, Extended version up to 30 m, 1366x 768 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" 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	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	

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• Brightness/contrast	300 cd/m² / 1 000:1
• 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	No
Keyboard fonts	
• Function keys	No
— Number of function keys	0
Touch operation	
• Design as touch screen	Yes; Analog-resistive
• Monitor keyboard	Yes

Installation type/mounting	
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°

Supply voltage	
Type of supply voltage	AC/DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	100 V; Up to 240V, 50/60 Hz
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V

Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W

Interfaces	
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

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Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
• Enclosure Type 4 at the front	Yes

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

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °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

Mechanics/material	
Enclosure material (front)	
• Aluminum	Yes

Dimensions	
Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm; Tolerance: +1 mm
Mounting cutout, height	319 mm; Tolerance: +1 mm
Overall depth	62.5 mm

Weights	
Weight without packaging	5.5 kg
Weight incl. packaging	6.5 kg

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