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Data sheet 6AV7862-2BE00-0AA0



SIMATIC IFP1900 Basic Flat Panel 19" display (16:9), Touch, 1366 x 768 pixels, standard up to 5 m, for 24V DC, DisplayPort/VGA interface

General information	
Product type designation	IFP1900 Basic
Short designation	Basic Flat Panel 19" Touch
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in; 19"
On Screen Display (OSD) configuration	No
Number of colors	16 000 000; 16 million
Resolution (pixels)	
● Image resolution	1 366 x 768
● Horizontal image resolution	1 366 pixel
● Vertical image resolution	768 pixel
General features	
● Detachable from computer unit	5 m
Backlighting	
● Type of backlighting	LED
● MTBF backlighting (at 25 °C)	50 000 h
● Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	single-touch screen
Input device	
● Integrated mouse cursor control	No
Touch operation	
● Design as touch screen	Yes; Analog-resistive
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	Yes; VESA 100 x 100 integrated
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
Built-in unit	Yes; Portrait mode possible
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
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Power loss	
Power loss, typ.	19 W

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Power loss, max.	60 W
Interfaces	
Number of USB interfaces	2; USB 2.0 (downstream)
USB on the rear	Yes; 2x onboard
Video interfaces	
● DisplayPort	Yes
Touch interfaces	
● USB	Yes; USB Type A
Degree and class of protection	
IP (at the front)	IP65
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; UL 61010-1, UL 61010-2-201
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	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.	85 %
Vibrations	
● Vibration load in operation	5 m/s²
● Vibration load during transport/storage	10 m/s²
Shock testing	
● Shock load during operation	150 m/s²
● shock acceleration during storage/transport	250 m/s²
Mechanics/material	
Enclosure material (front)	
● Aluminum	Yes
Dimensions	
Width of the housing front	473 mm
Height of housing front	297 mm
Mounting cutout, width	455 mm
Mounting cutout, height	279 mm
Overall depth	59 mm
Weights	
Weight (without packaging)	5.1 kg

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