SIEMENS

Data sheet 6AV7285-6KN10-0AA0

SIMATIC IFP1900 V2 Extended 5:4 19" multi-touch display (5:4) with 1280x1024 pixel resolution, built-in unit for 24 V DC; DisplayPort; can be placed up to 100 m away HDBaseT; USB on the rear side; neutral design

General information	
Product type designation	SIMATIC IFP1900 V2 Extended 5:4
Short designation	Flat Panel 19" multi-touch ext.
Display	
Design of display	TFT display, LED backlighting
Screen diagonal	19 in
Screen diagonal [cm]	48.3 cm
Display width	376.3 mm
Display height	301.1 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	1 280 x 1 024
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	1 024 pixel
● Pixel size, horizontal	0.294 mm
● Pixel size, vertical	0.294 mm
General features	
● Brightness/contrast	350 cd/m² / 2 000:1
● non-reflective and tempered mineral glass screen	Yes
● Detachable from computer unit	100 m; HDBaseT V2.0
● Luminance	350 cd/m²
Backlighting	
● Type of backlighting	LED
● MTBF backlighting (at 25 °C)	50 000 h; At 25°C
Control elements	
Control elements	multi-touch screen
Touch operation	
● Design as touch screen	Yes; Projective-capacitive
● Design as multi-touch screen	Yes; Projective-capacitive
● Monitor keyboard	Yes
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	35°
maximum permitted backward tilt angle from vertical	35°
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)	0.95 A

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Current consumption, max.	1.47 A
Inrush current, max.	2.8 A
Starting current inrush I²t	0.5 A²·s
Power loss	
Power loss, typ.	22.7 W
Power loss, max.	28 W
Interfaces	
Number of USB interfaces	3; 2x USB 2.0 type A, 1x USB 2.0 type B
USB on the rear	Yes; 2x onboard
USB at the front	No
Connection for keyboard/mouse	USB
Video interfaces	
● DVI-D	No
● DisplayPort	Yes; Display port V1.2
Touch interfaces	
● USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
● Enclosure Type 4 at the front	Yes
● Enclosure Type 4x at the front	Yes
● Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; cULus, cUL
● UL 508	UL 61010
cULus	Yes
EMC	CE, EN 55016-2-3, EN 61000-6-4:2007 + A1:2011, EN IEC 61000-6-4:2019, EN 61000-6-2:2005, EN IEC 61000-6-2:2019
Use in hazardous areas	
● ATEX Zone 22	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	3 500 m
Relative humidity	
● Operation, max.	90 %; no condensation
Vibrations	
● Vibration load in operation	1 gn
● Vibration load during transport/storage	1 gn
Shock testing	
● Shock load during operation	15 gn
● shock acceleration during storage/transport	15 gn
Mechanics/material	
Enclosure material (front)	
● Aluminum	Yes
● Aluminum casting	Yes
● Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width of the housing front	466 mm
Height of housing front	396 mm
Mounting cutout, width	450 mm; Tolerance: +1 mm

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Mounting cutout, height	380 mm; Tolerance: +1 mm
mounting depth	63.4 mm

Weights

Weight (without packaging)	6.7 kg
Weight (with packaging)	8 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

Approvals / Certificates

General Product Approval

Manufacturer Declaration

China RoHS

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