SIEMENS

Data sheet **6AV7863-6MA15-2NA0**

SIMATIC IFP1900 V2 PRO, 19 multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, neutral design

Figure similar

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	408.96 mm
Display height	230.04 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	178° x 178°
Resolution (pixels)	
● Image resolution	1 920 x 1 080
● Horizontal image resolution	1 920 pixel
● Vertical image resolution	1 080 pixel
● Pixel size, horizontal	0.213 mm
● Pixel size, vertical	0.213 mm
General features	
● Brightness/contrast	350 cd/m² / 1 000:1
● 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
● Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
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 multi-touch screen	Yes; Projective-capacitive

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● Monitor keyboard	Yes

Installation type/mounting

Design	Support arm mounting
Front mounting	No
Support arm mounting	Yes
Stand mounting	No
VESA mounting	Yes; VESA 100 x 100 integrated
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)	1.2 A
Current consumption, max.	1.5 A
Starting current inrush I²t	0.5 A²·s

Power loss

Power loss, typ.	29 W
Power loss, max.	36 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
● DisplayPort	Yes; Display port V1.2
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

Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes
cULus	Yes; Corresponds to UL 508
FM approval	Available soon
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Use in hazardous areas	
● ATEX Zone 2	Available soon
● ATEX Zone 22	Available soon
● IECEx Zone 2	Available soon
● IECEx Zone 22	Available soon
● cULus Class I Zone 2, Division 2	Available soon
● FM Class I Division 2	Available soon

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	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)	With neutral design
● Aluminum	Yes
● Aluminum casting	Yes
● Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width	462 mm
Height	296 mm; Without basic adapter
Depth	93.7 mm; Without basic adapter
Weights	
Weight (without packaging)	6.3 kg
Weight (with packaging)	7 kg

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