

## Data sheet

## 6AV7863-5MA00-2NA0

SIMATIC IFP1500 V2, 15" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, display port/DVI interface, including DP/USB cable 1.8 m, on the rear USB, neutral design



Figure similar

General information	
Product type designation	IFP1500 V2
Short designation	Flat Panel 15" multi-touch
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	15.6 in; 15"
Screen diagonal [cm]	40 cm
Display width	344.2 mm
Display height	193.5 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	0.17925 mm
• Pixel size, vertical	0.17925 mm
General features	
• Brightness/contrast	400 cd/m <sup>2</sup> / 700:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	5 m
• Luminance	400 cd/m <sup>2</sup>
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
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes; If supported by operating system
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°
<b>Supply voltage</b>	
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
<b>Input current</b>	
Current consumption (rated value)	1 A
Current consumption, max.	1.3 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·s
<b>Power loss</b>	
Power loss, typ.	24 W
Power loss, max.	30 W
<b>Interfaces</b>	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• DVI-D	Yes
• DisplayPort	Yes; Display port V1.2
<b>Touch interfaces</b>	
• USB	Yes
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
<b>NEMA (front)</b>	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes
• Enclosure Type 12 at the front	Yes
<b>Standards, approvals, certificates</b>	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes
FM approval	Yes; Class I Div. 2
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• FM Class I Division 2	No
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	50 °C
<b>Ambient temperature during storage/transportation</b>	

• min.	-20 °C
• max.	60 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	3 500 m
<b>Relative humidity</b>	
• Operation, max.	90 %; no condensation
<b>Vibrations</b>	
• Vibration load in operation	10 m/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>
<b>Shock testing</b>	
• Shock load during operation	150 m/s <sup>2</sup>
• shock acceleration during storage/transport	250 m/s <sup>2</sup>
<b>Mechanics/material</b>	
Enclosure material (front)	With neutral design
• Aluminum	Yes
• Aluminum casting	Yes
• Glass	Yes; at front
Enclosure material (rear)	aluminum
<b>Dimensions</b>	
Width of the housing front	398 mm
Height of housing front	257 mm
Mounting cutout, width	382 mm; Tolerance: +1 mm
Mounting cutout, height	241 mm; Tolerance: +1 mm
Overall depth	63.4 mm
<b>Weights</b>	
Weight (without packaging)	4 kg
Weight (with packaging)	6 kg

**last modified:** 3/12/2024 