

## Data sheet

## 6AV7863-5MA20-2AA0

SIMATIC IFP1500 V2 Ethernet, 15" multi-touch display (16:9) with 1920x 1080 pixels resolution, built-in unit, for 24 V DC, DisplayPort and Ethernet monitor, USB on the rear side, standard design



Figure similar

General information	
Product type designation	IFP1500 V2
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	15.6 in
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	160° x 140°
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	100 m; Ethernet
• 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; 5-100 %
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
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	No
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
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
<b>Interfaces</b>	
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• DVI-D	No
• DisplayPort	Yes; Display port V1.2
<b>Touch interfaces</b>	
• USB	Yes
<b>Degree and class of protection</b>	
IP (at the front)	IP65
NEMA (front)	
• 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>	
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>	
• IECEx Zone 2	Yes; Available soon
• IECEx Zone 22	Yes; Available soon
• FM Class I Division 2	Yes; Available soon
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
<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)	
• 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:**

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