

## Data sheet

## 6AV7863-5MA10-1NA0

\*\*\* spare part \*\*\* SIMATIC IFP1500, Flat Panel 15" display (16: 9), multi-touch, extended version up to 30 m, 1920 x 1080 pixels, for 24 V DC isolated, display port/DVI interface incl. DVI/USB cable 1.8 m black, without brand name



Figure similar

General information	
Product type designation	IFP1500
Short designation	15" Flat Panel Full HD, neutral
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	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	30 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	No
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	No
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>Power loss</b>	
Power loss, typ.	20 W
Power loss, max.	25 W
<b>Interfaces</b>	
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
<b>Touch interfaces</b>	
• USB	Yes
<b>Degree and class of protection</b>	
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
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	No; Available soon
<b>Use in hazardous areas</b>	
• ATEX Zone 2	No; Available soon
• ATEX Zone 22	No; Available soon
• FM Class I Division 2	No; Available soon
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	No; Available soon
• American Bureau of Shipping (ABS)	No; Available soon
• Bureau Veritas (BV)	No; Available soon
• Det Norske Veritas (DNV)	No; Available soon
• Lloyds Register of Shipping (LRS)	No; Available soon
• Nippon Kaiji Kyokai (Class NK)	No; Available soon
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	50 °C; Vertical installation (horizontal)
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Relative humidity</b>	
• Operation, max.	95 %; 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	150 m/s <sup>2</sup>
<b>Mechanics/material</b>	
Enclosure material (front)	
• Glass	Yes

Dimensions	
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	62.5 mm
Weights	
Weight (without packaging)	4 kg
Weight (with packaging)	5 kg

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