

## Data sheet

6AV7863-2MB10-0AA0

SIMATIC IFP1500 Flat Panel 15" display (16: 9), Multitouch, Extended version up to 30 m, 1366x 768 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



Figure similar

General information	
Product type designation	IFP1500
Short designation	Flat Panel 15" multi-touch ext.
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 160°
Resolution (pixels)	
• Image resolution	1 366 x 768
• Horizontal image resolution	1 366 pixel
• Vertical image resolution	768 pixel
• Pixel size, horizontal	0.252 mm
• Pixel size, vertical	0.252 mm
General features	
• Brightness/contrast	400 cd/m <sup>2</sup> / 900:1
• Detachable from computer unit	30 m
• Luminance	400 cd/m <sup>2</sup>
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	70 000 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
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
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	60 W
Interfaces	
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
<ul style="list-style-type: none"> <li>• DVI-D</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DisplayPort</li> </ul>	Yes; DisplayPort V1.1
Touch interfaces	
<ul style="list-style-type: none"> <li>• USB</li> </ul>	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
<ul style="list-style-type: none"> <li>• Enclosure Type 4 at the front</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Enclosure Type 4x at the front</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Enclosure Type 12 at the front</li> </ul>	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
<ul style="list-style-type: none"> <li>• ATEX Zone 2</li> </ul>	No
<ul style="list-style-type: none"> <li>• ATEX Zone 22</li> </ul>	No
<ul style="list-style-type: none"> <li>• FM Class I Division 2</li> </ul>	No
Marine approval	
<ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> </ul>	No
<ul style="list-style-type: none"> <li>• American Bureau of Shipping (ABS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Bureau Veritas (BV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Det Norske Veritas (DNV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Nippon Kaiji Kyokai (Class NK)</li> </ul>	No
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>• min.</li> </ul>	0 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	50 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>• min.</li> </ul>	-20 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	60 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• Operation, max.</li> </ul>	95 %; no condensation
Vibrations	
<ul style="list-style-type: none"> <li>• Vibration load in operation</li> </ul>	10 m/s <sup>2</sup>
<ul style="list-style-type: none"> <li>• Vibration load during transport/storage</li> </ul>	10 m/s <sup>2</sup>
Shock testing	
<ul style="list-style-type: none"> <li>• Shock load during operation</li> </ul>	150 m/s <sup>2</sup>
<ul style="list-style-type: none"> <li>• shock acceleration during storage/transport</li> </ul>	150 m/s <sup>2</sup>
Mechanics/material	
Enclosure material (front)	
<ul style="list-style-type: none"> <li>• Glass</li> </ul>	Yes
Dimensions	
Width of the housing front	416.5 mm

Height of housing front	298 mm
Mounting cutout, width	398 mm; Tolerance: +1 mm
Mounting cutout, height	279 mm; Tolerance: +1 mm
Overall depth	62.5 mm
<b>Weights</b>	
Weight (without packaging)	4.2 kg
Weight (with packaging)	5.3 kg

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