

SIMATIC IFP1500 PRO Full HD Flat Panel 15" display (16:9), multi-touch, Full HD resolution, prepared for support arm and expansion elements; 1920 x 1080 pixels, for 24 V DC, display port, IP65, fully enclosed, Ethernet monitor



General information	
Product type designation	IFP1500 PRO HD
Short designation	Flat Panel 15" PRO Full HD multi-touch Ethernet monitor
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)	
<ul style="list-style-type: none"> <li>• Horizontal image resolution</li> <li>• Vertical image resolution</li> <li>• Pixel size, horizontal</li> <li>• Pixel size, vertical</li> </ul>	1 920 pixel 1 080 pixel 0.17925 mm 0.17925 mm
General features	
<ul style="list-style-type: none"> <li>• Brightness/contrast</li> <li>• non-reflective and tempered mineral glass screen</li> <li>• Detachable from computer unit</li> <li>• Luminance</li> </ul>	400 cd/m <sup>2</sup> / 700:1 Yes 100 m; Ethernet 400 cd/m <sup>2</sup>
Backlighting	
<ul style="list-style-type: none"> <li>• Type of backlighting</li> <li>• MTBF backlighting (at 25 °C)</li> <li>• Backlight dimmable</li> </ul>	LED 50 000 h; At 25°C Yes; 0-100 %
Control elements	
Input device	
<ul style="list-style-type: none"> <li>• Integrated mouse cursor control</li> </ul>	Yes; Also externally via USB
Keyboard fonts	
<ul style="list-style-type: none"> <li>• Function keys</li> <li>— Number of function keys</li> </ul>	No 0
Touch operation	
<ul style="list-style-type: none"> <li>• Design as touch screen</li> <li>• Design as multi-touch screen</li> <li>• Monitor keyboard</li> </ul>	Yes Yes; Projective-capacitive Yes
Installation type/mounting	

Design	Support arm mounting
Front mounting	No
Support arm mounting	Yes; Suitable for support arm and extension components (please refer to manual)
Stand mounting	No
VESA mounting	Yes; With VESA adapter set
Built-in unit	No; IP65 fully enclosed
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
<b>Supply voltage</b>	
Type of supply voltage	24 V 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.	25 W
Power loss, max.	30 W
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	1; Ethernet, 1 port, RJ45
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
<ul style="list-style-type: none"> <li>analog video signal (VGA)</li> </ul>	No
<ul style="list-style-type: none"> <li>DVI-D</li> </ul>	No
<ul style="list-style-type: none"> <li>DisplayPort</li> </ul>	Yes; DisplayPort V1.1
<b>Touch interfaces</b>	
<ul style="list-style-type: none"> <li>USB</li> </ul>	Yes
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front) <ul style="list-style-type: none"> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> </ul>	Yes Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes; In application process
cULus	Yes; In application process
RCM (formerly C-TICK)	Yes; In application process
KC approval	No
EAC (formerly Gost-R)	Yes; In application process
<b>Use in hazardous areas</b>	
<ul style="list-style-type: none"> <li>ATEX Zone 2</li> <li>ATEX Zone 22</li> <li>FM Class I Division 2</li> </ul>	No No No
<b>Marine approval</b>	
<ul style="list-style-type: none"> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (Class NK)</li> <li>Polski Rejestr Statkow (PRS)</li> </ul>	No No No No No No No
<b>Ambient conditions</b>	
Ambient temperature during operation <ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	0 °C 50 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation <ul style="list-style-type: none"> <li>min.</li> </ul>	-20 °C

• max.	60 °C
<b>Relative humidity</b>	
• Operation, max.	95 %
<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; at front
Enclosure material (rear)	aluminum
<b>Dimensions</b>	
Width	396 mm
Height	255 mm
Depth	163 mm
<b>Weights</b>	
Weight (without packaging)	4 kg
Weight (with packaging)	6 kg
<b>last modified:</b>	12/18/2020 