

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



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

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

• max.	60 °C
Relative humidity	
• Operation, max.	95 %
Vibrations	
• Vibration load in operation	10 m/s ²
• Vibration load during transport/storage	10 m/s ²
Shock testing	
• Shock load during operation	150 m/s ²
• shock acceleration during storage/transport	150 m/s ²
Mechanics/material	
Enclosure material (front)	
• Glass	Yes; at front
Dimensions	
Width	396 mm
Height	255 mm; Without basic adapter
Depth	101 mm; Without basic adapter
Weights	
Weight (without packaging)	4 kg
Weight (with packaging)	6 kg
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