

SIMATIC IFP1500 PRO HD LR Flat Panel 15" display (16:9), Multitouch, 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)	
• 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>
<b>Backlighting</b>	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
<b>Control elements</b>	
<b>Input device</b>	
• Integrated mouse cursor control	Yes; Also externally via USB
<b>Keyboard fonts</b>	
• Function keys	No
— Number of function keys	0
<b>Touch operation</b>	
• Design as touch screen	Yes
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
<b>Installation type/mounting</b>	
Design	Pedestal mounting
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°
<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>	
• analog video signal (VGA)	No

• DVI-D	No
• 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)	IP65
NEMA (front)	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	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>	
• ATEX Zone 2	No
• ATEX Zone 22	No
• FM Class I Division 2	No
<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
• Polski Rejestr Statkow (PRS)	No
<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 %
<b>Vibrations</b>	
• Vibration load in operation	10 m/s <sup>2</sup>
• Vibration load during transport/storage	10 m/s <sup>2</sup>

Shock testing	
• Shock load during operation	150 m/s <sup>2</sup>
• Shock load during transport/storage	150 m/s <sup>2</sup>
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 incl. packaging	6 kg
<b>last modified:</b>	05/09/2020