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SIMATIC IFP1500 pro HD Flat Panel 15" display (16:9), Multitouch, 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)	
• 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	

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• Brightness/contrast	400 cd/m² / 700:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	100 m; Ethernet
• Luminance	400 cd/m²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %

Control elements	
Input device	
• Integrated mouse cursor control	Yes; Also externally via USB
Keyboard fonts	
• Function keys	No
— Number of function keys	0
Touch operation	
• Design as touch screen	Yes
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes

Installation type/mounting	
Design	Support arm mounting
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°

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	

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• analog video signal (VGA)	No
• DVI-D	No
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes

Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	
• Enclosure Type 4 at the front	Yes
• Enclosure Type 4x at the front	Yes

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	
• ATEX Zone 2	No
• ATEX Zone 22	No
• FM Class I Division 2	No
Marine approval	
• 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

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	50 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	95 %
Vibrations	
• Vibration load in operation	10 m/s²

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• Vibration load during transport/storage	10 m/s²
Shock testing	
• Shock load during operation	150 m/s²
• shock acceleration during storage/transport	150 m/s²
Mechanics/material	
Enclosure material (front)	
• Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width	396 mm
Height	255 mm
Depth	163 mm
Weights	
Weight without packaging	4 kg
Weight incl. packaging	6 kg

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