

SIMATIC IFP2400 V2 PRO, 24 multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, neutral design



Figure similar

General information	
Product type designation	IFP2400 PRO
Short designation	Flat Panel 24" PRO multi-touch ext.
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	23.8 in
Screen diagonal [cm]	60.47 cm
Display width	527 mm
Display height	296 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	178° x 178°
Resolution (pixels)	
<ul style="list-style-type: none"> <li>Image resolution</li> </ul>	1 920 x 1 080
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>	1 920 pixel
<ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>	1 080 pixel
<ul style="list-style-type: none"> <li>Pixel size, horizontal</li> </ul>	0.2745 mm
<ul style="list-style-type: none"> <li>Pixel size, vertical</li> </ul>	0.2745 mm
General features	
<ul style="list-style-type: none"> <li>Brightness/contrast</li> </ul>	250 cd/m <sup>2</sup> / 1 000:1
<ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>	100 m; HDBaseT V2.0
<ul style="list-style-type: none"> <li>Luminance</li> </ul>	250 cd/m <sup>2</sup>
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED
<ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h; At 25°C
<ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Touch operation	
<ul style="list-style-type: none"> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive
<ul style="list-style-type: none"> <li>Monitor keyboard</li> </ul>	Yes
Installation type/mounting	
Design	Support arm mounting
Support arm mounting	Yes; Suitable for support arm without extension components
Stand mounting	No
maximum permitted forward tilt angle from vertical	45°

maximum permitted backward tilt angle from vertical	45°
<b>Supply voltage</b>	
Type of supply voltage	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>Input current</b>	
Current consumption (rated value)	1.5 A
Current consumption, max.	1.9 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·s
<b>Power loss</b>	
Power loss, typ.	36 W
Power loss, max.	41 W
<b>Interfaces</b>	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
<b>Video interfaces</b>	
• DisplayPort	Yes; Display port V1.2
<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>	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes
FM approval	Available soon
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Marine approval	Available soon
<b>Use in hazardous areas</b>	
• ATEX Zone 2	Yes; Available soon
• ATEX Zone 22	Yes; Available soon
• IECEx Zone 2	Yes; Available soon
• IECEx Zone 22	Yes; Available soon
• cULus Class I Zone 2, Division 2	Yes; Available soon
• FM Class I Division 2	Yes; Available soon
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	Yes; In application process
• American Bureau of Shipping (ABS)	Yes; In application process
• Bureau Veritas (BV)	Yes; In application process
• Det Norske Veritas (DNV)	Yes; In application process
• Lloyds Register of Shipping (LRS)	Yes; In application process
• Nippon Kaiji Kyokai (Class NK)	Yes; In application process
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	45 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C

• max.	60 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	3 500 m
<b>Relative humidity</b>	
• Operation, max.	95 %; no condensation
<b>Vibrations</b>	
• Vibration load in operation	1 gn
• Vibration load during transport/storage	1 gn
<b>Shock testing</b>	
• Shock load during operation	15 gn
• shock acceleration during storage/transport	15 gn
<b>Mechanics/material</b>	
Enclosure material (front)	With neutral design
• Aluminum	Yes
• Aluminum casting	Yes
• Glass	Yes; at front
Enclosure material (rear)	aluminum
<b>Dimensions</b>	
Width	583 mm
Height	361 mm; Without basic adapter
Depth	93.7 mm; Without basic adapter
<b>Weights</b>	
Weight (without packaging)	9.2 kg
Weight (with packaging)	11.2 kg

**last modified:** 2/14/2021 