

SIMATIC HMI, IWP1500MT, industrial web panel, multi-touch, HTML5 browser, 15" widescreen TFT display, built-in unit



Figure similar

General information	
Product type designation	IWP
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	15.6 in
Display width	344.2 mm
Display height	193.5 mm
Number of colors	16 777 216
Resolution (pixels)	
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>	1 366 pixel
<ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>	768 pixel
General features	
<ul style="list-style-type: none"> <li>non-reflective and tempered mineral glass screen</li> </ul>	Yes
Backlighting	
<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; LED, dimmable
Control elements	
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	Yes
<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	Built-in unit
Front mounting	Yes
Support arm mounting	No
Stand mounting	No
Built-in unit	Yes
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	1.4 A
Starting current inrush I <sup>2t</sup>	0.5 A <sup>2</sup> ·s
Power	

Active power input, typ.	34 W
<b>Power loss</b>	
Power loss, typ.	34 W
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	2; 2 ports (switch)
Number of USB interfaces	4; on rear
Connection for keyboard/mouse	only mouse
<b>Industrial Ethernet</b>	
• Transmission rate, max.	1 000 Mbit/s
<b>Protocols</b>	
<b>Protocols (Ethernet)</b>	
• TCP/IP	Yes
• DHCP	Yes
<b>WEB characteristics</b>	
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes; HTML5
• XML	Yes
• CSS	Yes
• Active X	No
• JavaScript	Yes
• Java VM	No
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
<b>NEMA (front)</b>	
• Enclosure Type 4x at the front	Yes
• Enclosure Type 12 at the front	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	Yes
FM approval	No
RCM (formerly C-TICK)	Yes
KC approval	No
EAC (formerly Gost-R)	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	50 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Relative humidity</b>	
• Operation, max.	90 %; no condensation
<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>Software</b>	
Web browser	Yes; HTML5, CSS
PDF reader	Yes
<b>configuration / header</b>	
<b>Configuration</b>	
• Local	Yes
• Remote	No
<b>Languages</b>	
<b>Online languages</b>	

- Number of online/runtime languages

2; german / english

#### Peripherals/Options

USB memory Yes; USB storage medium can be connected

#### Mechanics/material

Enclosure material (front)

- Aluminum

Yes

#### Dimensions

Width of the housing front 398 mm

Height of housing front 257 mm

Mounting cutout, width 382 mm

Mounting cutout, height 241 mm

Overall depth 73 mm

#### Weights

Weight (without packaging) 5 kg

**last modified:**

10/6/2021 