## **SIEMENS**

## **Data sheet**



SIMATIC IFP1200 Basic Flat Panel 12" display (16:10), Touch, 1280 x 800 pixels, standard up to 5 m, for 24V DC, DisplayPort/VGA interface

General information	General information	
Product type designation	IFP1200 Basic	
Short designation	Basic Flat Panel 12" Touch	
Display		
Design of display	TFT widescreen display, LED backlighting	
Screen diagonal	12.1 in; 12"	
On Screen Display (OSD) configuration	No	
Number of colors	16 000 000; 16 million	
Resolution (pixels)		
<ul> <li>Image resolution</li> </ul>	1 280 x 800	
<ul> <li>Horizontal image resolution</li> </ul>	1 280 pixel	
Vertical image resolution	800 pixel	
General features		
Detachable from computer unit	5 m	
Backlighting		
<ul> <li>Type of backlighting</li> </ul>	LED	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h	
Backlight dimmable	Yes; 0-100 %	
Control elements		
Control elements	single-touch screen	
Input device		
<ul> <li>Integrated mouse cursor control</li> </ul>	No	
Touch operation		
<ul> <li>Design as touch screen</li> </ul>	Yes; Analog-resistive	
Installation type/mounting		
Design	Built-in unit	
Front mounting	Yes	
VESA mounting	Yes; VESA 100 x 100 integrated	
Mounting in portrait format possible	Yes	
Mounting in landscape format possible	Yes	
Built-in unit	Yes; Portrait mode possible	
maximum permitted forward tilt angle from vertical	45°	
maximum permitted backward tilt angle from vertical	45°	
Supply voltage		
Type of supply voltage	DC	
Rated value (DC)	24 V	
permissible range, lower limit (DC)	20.4 V	
permissible range, upper limit (DC)	28.8 V	
Power loss		
Power loss, typ.	13 W	

Number of USB interfaces  Number of USB interfaces    USB on the rear   Ves; 2x onboard   Ves; 2x onbo	Power loss, max.	60 W
Number of USB interfaces   2; USB 2.0 (downstream)	-	00 VV
USB on the rear  Video interfaces  DisplayPort  Ves  DisplayPort  Touch interfaces  USB  Ves; USB2.0 Type B  Degree and class of protection  IP (at the front)  IP (at the front)  IP (at the front)  Standards, approvals, cortificates  CE mark  Ves  cULus  Yes; UL 61010-1, UL 61010-2-201  RCM (formerly C-TICK)  Yes  KC approval  Yes  EAC (formerly Gost-R)  FCC  Yes  Ambient conditions  Annient conditions  Annient temperature during operation  Im in.  O °C  Im max.  45 °C  Annient temperature during storage/transportation  Im in.  Do °C  Im max.  60 °C  Relative humidity  O operation, max.  Vibrations  Vibration load in operation  Vibration load during transport/storage  Shock testing  Shock lead during operation  Shock load during op		2: LICP 2.0 (downstroam)
Vision interfaces		
● DisplayPort Touch interfaces  ● USB  ● USB  Pegree and class of protection  IP (at the front)  Real the front)  IP (at front)  IP (at the front)  IP (at the front)  IP (at the front)  IP (at the front)  IP (at		Yes, 2x onboard
USB Yes; USB2.0 Type B Degree and class of protection  IP (at the front) IP85  Standards, approvals, certificates  CE mark Yes CLUs Yes CLUs Yes CLUs Yes CRA (formerly C-TICK) Yes EAC (formerly Gost-R) Yes EAC (formerly Gost-R) Yes EAC (formerly Gost-R) Yes FCC Yes Ambient conditions  Ambient temperature during operation  • min. 0 °C • max. 45 °C Ambient conditions  Ambient temperature during storage/transportation  • min20 °C • max. 60 °C Relative humidity  • Operation, max. 85 %  Vibrations  • Vibration load in operation  • Vibration load during transport/storage  • Shock load during operation  • shock acceleration during storage/transport  Enclosure material (front)  • Aluminum Yes  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  Weights		Von
● USB Degree and class of protection    P(at the front)		tes
Degree and class of protection   IP (at the front)   IP (at the		Vaca HCD2 0 Tyma D
P  (at the front)   P 65		Tes, USBZ.U Type B
Standards, approvals, certificates		IDEE
CE mark         Yes           cULus         Yes; UL 61010-1, UL 61010-2-201           RCM (formerly C-TICK)         Yes           KC approval         Yes           EAC (formerly Gost-R)         Yes           FCC         Yes           Ambient conditions         Ambient conditions           Ambient temperature during operation         0 °C           • min.         45 °C           • max.         45 °C           Ambient temperature during storage/transportation         • min.           • max.         60 °C           e max.         60 °C           Relative humidity         • Operation, max.           • Vibration load in operation         5 m/s²           • Vibration load during transport/storage         10 m/s²           Shock load during operation         150 m/s²           • Shock load during operation         150 m/s²           • Shock acceleration during storage/transport         150 m/s²           Mochanics/material         Enclosure material (front)           • Aluminum         Yes           Dimensions         Width of the housing front         226 mm           Mounting cutout, width         302 mm           Mounting cutout, height         208 mm <t< td=""><td></td><td>IP05</td></t<>		IP05
cULus         Yes; UL 61010-1, UL 61010-2-201           RCM (formerly C-TICK)         Yes           KC approval         Yes           EAC (formerly Gost-R)         Yes           FCC         Yes           Ambient conditions         Ambient temperature during operation           • min.         0 °C           • max.         45 °C           Ambient temperature during storage/transportation         • min.           • max.         60 °C           Relative humidity         • Operation, max.           • Vibration load in operation         5 %           • Vibration load during transport/storage         10 m/s²           Shock load during operation         150 m/s²           • Shock load during storage/transport         150 m/s²           Mechanics/material         Enclosure material (front)           • Aluminum         Yes           Dimensions         Width of the housing front         320 mm           Meunting cutout, width         302 mm           Mounting cutout, height         208 mm           Overall depth         51 mm           Weights		V
RCM (formerly C-TICK)		
KC approval   Yes		
EAC (formerly Gost-R) Yes FCC Yes  Ambient conditions  Ambient temperature during operation  ● min.		
FCC Yes  Ambient conditions  Ambient temperature during operation  • min. 0 °C  • max. 45 °C  Ambient temperature during storage/transportation  • min 20 °C  • max. 60 °C  Relative humidity  • Operation, max. 85 %  Vibrations  • Vibration load in operation 5 m/s²  • 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)  • Aluminum Yes  Dimensions  Width of the housing front 320 mm  Height of housing front 226 mm  Mounting cutout, width 302 mm  Mounting cutout, width 302 mm  Mounting cutout, height 208 mm  Overall depth  Velights		
Ambient conditions  Ambient temperature during operation  • min. • max.  Abs °C  Ambient temperature during storage/transportation  • min. • max.  60 °C  Relative humidity  • Operation, max.  85 %  Vibrations  • Vibration load in operation • Vibration load during transport/storage • Vibration load during transport/storage  10 m/s²  Shock testing  • Shock load during operation • shock acceleration during storage/transport  150 m/s²  • Shock acceleration during storage/transport  150 m/s²  Mechanics/material  Enclosure material (front) • Aluminum  Yes  Dimensions  Width of the housing front  Mounting cutout, width  Mounting cutout, width  Mounting cutout, width  The max  So of C		
Ambient temperature during operation  • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • max. 60 °C  Relative humidity • Operation, max. 85 %  Vibrations • Vibration load in operation • Vibration load during transport/storage 10 m/s²  Shock testing • Shock load during operation • shock acceleration during storage/transport  Enclosure material (front) • Aluminum Yes  Dimensions  Width of the housing front Height of housing front Mounting cutout, height Overall depth Overall depth  Viorations  150 m/s²  320 mm Mounting cutout, height Overall depth 51 mm  Weights		Yes
<ul> <li>min.</li> <li>max.</li> <li>45 °C</li> <li>Ambient temperature during storage/transportation</li> <li>imin.</li> <li>-20 °C</li> <li>max.</li> <li>60 °C</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration load in operation</li> <li>5 m/s²</li> <li>Vibration load during transport/storage</li> <li>10 m/s²</li> <li>Shock testing</li> <li>Shock load during operation</li> <li>\$150 m/s²</li> <li>shock acceleration during storage/transport</li> <li>150 m/s²</li> <li>shock acceleration during storage/transport</li> <li>150 m/s²</li> <li>shock acceleration during storage/transport</li> <li>150 m/s²</li> <li>mechanics/material</li> <li>Enclosure material (front)</li> <li>Aluminum</li> <li>Yes</li> <li>Dimensions</li> <li>Width of the housing front</li> <li>Height of housing front</li> <li>Mounting cutout, width</li> <li>Mounting cutout, height</li> <li>Overall depth</li> <li>51 mm</li> </ul>		
max. 45 °C  Ambient temperature during storage/transportation      min20 °C     max. 60 °C  Relative humidity         Operation, max. 85 %  Vibrations          Vibration load in operation 5 m/s²         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)		
Ambient temperature during storage/transportation  • min.  • min.  • max.  60 °C  Relative humidity  • Operation, max.  85 %  Vibrations  • Vibration load in operation  • Vibration load during transport/storage  10 m/s²  Shock testing  • Shock load during operation  • Shock acceleration during storage/transport  150 m/s²  • shock acceleration during storage/transport  Mechanics/material  Enclosure material (front)  • Aluminum  Yes  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  302 mm  Mounting cutout, width  302 mm  Mounting cutout, height  Overall depth  51 mm  Weights	● min.	
<ul> <li>min.</li> <li>-20 °C</li> <li>max.</li> <li>60 °C</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>Vibrations</li> <li>Vibration load in operation</li> <li>Vibration load during transport/storage</li> <li>Non/s²</li> <li>Shock testing</li> <li>Shock load during operation</li> <li>Shock acceleration during storage/transport</li> <li>150 m/s²</li> <li>shock acceleration during storage/transport</li> <li>Mechanics/material</li> <li>Enclosure material (front)</li> <li>Aluminum</li> <li>Yes</li> <li>Dimensions</li> <li>Width of the housing front</li> <li>Height of housing front</li> <li>226 mm</li> <li>Mounting cutout, width</li> <li>302 mm</li> <li>Mounting cutout, height</li> <li>Overall depth</li> <li>51 mm</li> </ul>		45 °C
max. 60 °C Relative humidity         Operation, max. 85 %  Vibrations          Vibration load in operation         Vibration load during transport/storage 10 m/s² Shock testing         Shock load during operation         Shock acceleration during storage/transport 150 m/s²          Shock acceleration during storage/transport 150 m/s²  Mechanics/material  Enclosure material (front)         Aluminum         Yes  Dimensions  Width of the housing front 320 mm  Height of housing front 226 mm  Mounting cutout, width 302 mm  Mounting cutout, width 208 mm  Overall depth 51 mm  Weights		
Relative humidity  Operation, max.  Vibrations  Vibration load in operation Vibration load during transport/storage  Nock testing  Shock load during operation Shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) Aluminum Yes  Dimensions  Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth  Vibration no.  85 %  Vibration load in operation 5 m/s² 10 m/s² 150 m/s²	• min.	
Operation, max.  Observations  Vibration load in operation  Vibration load during transport/storage  Oshock testing  Oshock load during operation  Oshock acceleration during storage/transport  Mechanics/material  Enclosure material (front)  Aluminum  Yes  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  Weights		60 °C
Vibrations  • Vibration load in operation • Vibration load during transport/storage  10 m/s²  Shock testing  • Shock load during operation • shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) • Aluminum  Yes  Dimensions  Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, width Mounting cutout, height Overall depth  Vibration 10 m/s²  150 m/s²		
Vibration load in operation Vibration load during transport/storage  Shock testing  Shock load during operation Shock load during operation Shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) Aluminum Yes  Dimensions  Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth  Vibration In m/s²  150 m		85 %
Vibration load during transport/storage     Shock testing     Shock load during operation     shock acceleration during storage/transport     150 m/s²      Shock acceleration during storage/transport      Mechanics/material  Enclosure material (front)     Aluminum     Yes  Dimensions  Width of the housing front     Height of housing front     Mounting cutout, width     Mounting cutout, height  Overall depth  Weights	Vibrations	
Shock load during operation Shock load during operation Shock acceleration during storage/transport  150 m/s²  Mechanics/material  Enclosure material (front) Aluminum Yes  Dimensions  Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth  Shock load during operation  150 m/s²  Yes  Mechanics/material  Yes  Dimensions  226 mm  320 mm  Mounting cutout, height 208 mm  Overall depth 51 mm  Weights	<ul> <li>Vibration load in operation</li> </ul>	5 m/s <sup>2</sup>
● Shock load during operation ● shock acceleration during storage/transport  Mechanics/material  Enclosure material (front) ● Aluminum  Yes  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, width  Mounting cutout, height  Overall depth  Weights		10 m/s <sup>2</sup>
● shock acceleration during storage/transport  Mechanics/material  Enclosure material (front)  ● Aluminum  Yes  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  Weights	Shock testing	
Mechanics/material   Enclosure material (front)		150 m/s²
Enclosure material (front)		150 m/s <sup>2</sup>
● Aluminum  Pimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  Weights	Mechanics/material	
DimensionsWidth of the housing front320 mmHeight of housing front226 mmMounting cutout, width302 mmMounting cutout, height208 mmOverall depth51 mmWeights	Enclosure material (front)	
Width of the housing front 320 mm  Height of housing front 226 mm  Mounting cutout, width 302 mm  Mounting cutout, height 208 mm  Overall depth 51 mm  Weights		Yes
Height of housing front 226 mm  Mounting cutout, width 302 mm  Mounting cutout, height 208 mm  Overall depth 51 mm  Weights	Dimensions	<u>_</u>
Mounting cutout, width 302 mm  Mounting cutout, height 208 mm  Overall depth 51 mm  Weights	Width of the housing front	320 mm
Mounting cutout, height 208 mm  Overall depth 51 mm  Weights	Height of housing front	226 mm
Overall depth 51 mm Weights	•	302 mm
Weights	Mounting cutout, height	208 mm
		51 mm
Weight (without packaging)  2.7 kg	Weights	
	Weight (without packaging)	2.7 kg

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