




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                                 |  |
|---|--|
| 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)                                 |  |
| • Image resolution                                  | 1 280 x 800                              |
| • Horizontal image resolution                       | 1 280 pixel                              |
| • Vertical image resolution                         | 800 pixel                                |
| General features                                    |  |
| • Detachable from computer unit                     | 5 m                                      |
| Backlighting  |  |
| • Type of backlighting                              | LED                                      |
| • MTBF backlighting (at 25 °C)                      | 50 000 h                                 |
| • Backlight dimmable                                | Yes; 0-100 %                             |
| Control elements                                    |  |
| Control elements                                    | single-touch screen                      |
| Input device  |  |
| • Integrated mouse cursor control                   | No                                       |
| Touch operation                                     |  |
| • Design as touch screen                            | 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  |
| Power loss, max.   | 60 W  |
| <b>Interfaces</b>  |   |
| Number of USB interfaces                                 | 2; USB 2.0 (downstream)   |
| USB on the rear  | Yes; 2x onboard   |
| <b>Video interfaces</b>                                  |   |
| • DisplayPort  | Yes   |
| <b>Touch interfaces</b>                                  |   |
| • USB  | Yes; USB Type A   |
| <b>Degree and class of protection</b>                    |   |
| IP (at the front)  | IP65  |
| <b>Standards, approvals, certificates</b>                |   |
| 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   |
| <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>Relative humidity</b>                                 |   |
| • Operation, max.  | 85 %  |
| <b>Vibrations</b>  |   |
| • Vibration load in operation                            | 5 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>Mechanics/material</b>                                |   |
| Enclosure material (front)                               |   |
| • Aluminum   | Yes   |
| <b>Dimensions</b>  |   |
| 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   |
| <b>Weights</b>   |   |
| Weight (without packaging)                               | 2.7 kg  |
| <b>last modified:</b>                                    | 8/13/2021  |