

SIMATIC IFP1200 V2 PRO; 12" multi-touch display(16:10) with 1280x800 pixel resolution; PRO variant stand; for 24 V DC; display port interface; can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



Figure similar

| General information                   |                                          |
|---------------------------------------|------------------------------------------|
| Product type designation              | IFP1200 V2 PRO                           |
| Short designation                     | Flat Panel 12" multi-touch ext.          |
| Display                               |                                          |
| Design of display                     | TFT widescreen display, LED backlighting |
| Screen diagonal                       | 12.1 in                                  |
| Screen diagonal [cm]                  | 30.7 cm                                  |
| Display width                         | 261.1 mm                                 |
| Display height                        | 163.2 mm                                 |
| On Screen Display (OSD) configuration | No                                       |
| Number of colors                      | 16 777 216; 24 bit                       |
| Viewing angle                         | 176° x 176°                              |
| Resolution (pixels)                   |                                          |
| • Image resolution                    | 1 280 x 800                              |
| • Horizontal image resolution         | 1 280 pixel                              |
| • Vertical image resolution           | 800 pixel                                |
| • Pixel size, horizontal              | 0.204 mm                                 |
| • Pixel size, vertical                | 0.204 mm                                 |
| General features                      |                                          |
| • Brightness/contrast                 | 400 cd/m <sup>2</sup> / 800:1            |
| • Detachable from computer unit       | 100 m; HDBaseT protocol                  |
| • Luminance                           | 400 cd/m <sup>2</sup>                    |
| Backlighting                          |                                          |
| • Type of backlighting                | LED                                      |
| • MTBF backlighting (at 25 °C)        | 70 000 h; At 25°C                        |
| • Backlight dimmable                  | Yes; 0-100 %                             |
| Control elements                      |                                          |
| Input device                          |                                          |
| • Integrated mouse cursor control     | Yes; Also externally via USB             |
| Touch operation                       |                                          |
| • Design as touch screen              | Yes                                      |
| • Design as multi-touch screen        | Yes; Projective-capacitive               |
| • Monitor keyboard                    | Yes                                      |
| Installation type/mounting            |                                          |
| Design                                | Pedestal mounting                        |
| Front mounting                        | No                                       |
| Stand mounting                        | Yes                                      |
| Built-in unit                         | No; IP65 fully enclosed                  |

|                                                                            |                                          |
|----------------------------------------------------------------------------|------------------------------------------|
| 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)                                          | 0.65 A                                   |
| Current consumption, max.                                                  | 1 A                                      |
| Starting current inrush I <sup>2</sup> t                                   | 0.5 A <sup>2</sup> ·s                    |
| <b>Power loss</b>                                                          |                                          |
| Power loss, typ.                                                           | 15 W                                     |
| Power loss, max.                                                           | 25 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                                      |
| 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                                      |
| • Enclosure Type 12 at the front                                           | Yes                                      |
| <b>Standards, approvals, certificates</b>                                  |                                          |
| CE mark                                                                    | Yes                                      |
| UL approval                                                                | Yes; cULus, cUL                          |
| cULus                                                                      | Yes; Corresponds to UL 508               |
| FM approval                                                                | Yes; in preparation                      |
| RCM (formerly C-TICK)                                                      | Yes                                      |
| EAC (formerly Gost-R)                                                      | Yes                                      |
| EMC                                                                        | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| <b>Ecological footprint</b>                                                |                                          |
| • environmental product declaration                                        | Yes                                      |
| <b>Global warming potential</b>                                            |                                          |
| — global warming potential, (total) [CO <sub>2</sub> eq]                   | 287.07688 kg                             |
| — global warming potential, (during production) [CO <sub>2</sub> eq]       | 67.0741 kg                               |
| — global warming potential, (during operation) [CO <sub>2</sub> eq]        | 233.02427 kg                             |
| — global warming potential, (after end of life cycle) [CO <sub>2</sub> eq] | -14.70413 kg                             |
| <b>Use in hazardous areas</b>                                              |                                          |
| • ATEX Zone 2                                                              | Yes                                      |
| • ATEX Zone 22                                                             | Yes                                      |
| • IECEx Zone 2                                                             | Yes                                      |
| • IECEx Zone 22                                                            | Yes                                      |
| • FM Class I Division 2                                                    | No                                       |
| <b>Marine approval</b>                                                     |                                          |
| • Germanischer Lloyd (GL)                                                  | No                                       |
| • American Bureau of Shipping (ABS)                                        | No                                       |
| • Bureau Veritas (BV)                                                      | No                                       |
| • Det Norske Veritas (DNV)                                                 | No                                       |

- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (Class NK)

No  
No

#### Ambient conditions

##### Ambient temperature during operation

- min. 0 °C
- max. 45 °C

##### Ambient temperature during storage/transportation

- min. -20 °C
- max. 60 °C

##### Altitude during operation relating to sea level

- Installation altitude above sea level, max. 3 500 m

##### Relative humidity

- Operation, max. 95 %; no condensation

##### Vibrations

- Vibration load in operation 1 gn
- Vibration load during transport/storage 1 gn

##### Shock testing

- Shock load during operation 15 gn
- shock acceleration during storage/transport 15 gn

#### Mechanics/material

|                            |                    |
|----------------------------|--------------------|
| Enclosure material (front) | In standard design |
| • Aluminum                 | Yes                |
| • Aluminum casting         | Yes                |
| • Glass                    | Yes; at front      |

|                           |          |
|---------------------------|----------|
| Enclosure material (rear) | aluminum |
|---------------------------|----------|

#### Dimensions

|                            |        |
|----------------------------|--------|
| Width of the housing front | 313 mm |
| Height of housing front    | 225 mm |

#### Weights

|                            |        |
|----------------------------|--------|
| Weight (without packaging) | 4 kg   |
| Weight (with packaging)    | 5.8 kg |

#### Classifications

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 16      | 19-20-02-01    |
| eClass | 14      | 19-20-02-01    |
| eClass | 12      | 19-20-02-01    |
| eClass | 9.1     | 19-20-02-01    |
| eClass | 9       | 19-20-02-01    |
| eClass | 8       | 19-20-02-01    |
| eClass | 7.1     | 19-20-02-01    |
| eClass | 6       | 19-20-02-01    |
| ETIM   | 10      | EC004862       |
| ETIM   | 9       | EC001428       |
| ETIM   | 8       | EC001428       |
| ETIM   | 7       | EC001428       |
| IDEA   | 4       | 6675           |
| UNSPSC | 15      | 43-21-19-02    |

#### Approvals / Certificates

##### General Product Approval



[Miscellaneous](#)

[Manufacturer Declaration](#)



[BIS CRS](#)

|                          |     |                    |
|--------------------------|-----|--------------------|
| General Product Approval | EMV | For use in hazard- |
|--------------------------|-----|--------------------|

[China RoHS](#)



[Miscellaneous](#)



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