

SIMATIC IFP1500 V2, 15" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, display port/DVI interface, including DP/USB cable 1.8 m, on the rear USB, standard design



Figure similar

| General information                                |                                          |
|----------------------------------------------------|------------------------------------------|
| Product type designation                           | IFP1500 V2                               |
| Short designation                                  | SIMATIC IFP1500 V2                       |
| Display                                            |                                          |
| Design of display                                  | TFT widescreen display, LED backlighting |
| Screen diagonal                                    | 15.6 in; 15"                             |
| Screen diagonal [cm]                               | 40 cm                                    |
| Display width                                      | 344.2 mm                                 |
| Display height                                     | 193.5 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)                                |                                          |
| • Image resolution                                 | 1 920 x 1 080                            |
| • Horizontal image resolution                      | 1 920 pixel                              |
| • Vertical image resolution                        | 1 080 pixel                              |
| • Pixel size, horizontal                           | 0.17925 mm                               |
| • Pixel size, vertical                             | 0.17925 mm                               |
| General features                                   |                                          |
| • Brightness/contrast                              | 400 cd/m <sup>2</sup> / 700:1            |
| • non-reflective and tempered mineral glass screen | Yes                                      |
| • Detachable from computer unit                    | 5 m                                      |
| • Luminance                                        | 400 cd/m <sup>2</sup>                    |
| Backlighting                                       |                                          |
| • Type of backlighting                             | LED                                      |
| • MTBF backlighting (at 25 °C)                     | 50 000 h; At 25°C                        |
| • Backlight dimmable                               | Yes; 0-100 %                             |
| Control elements                                   |                                          |
| Control elements                                   | multi-touch screen                       |
| Input device                                       |                                          |
| • Integrated mouse cursor control                  | Yes                                      |
| Touch operation                                    |                                          |
| • Design as touch screen                           | Yes; Projective-capacitive               |
| • Design as multi-touch screen                     | Yes; Projective-capacitive               |
| • Monitor keyboard                                 | Yes; If supported by operating system    |
| 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                         | 35°                                      |
| maximum permitted backward tilt angle from vertical                        | 35°                                      |
| <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 A                                      |
| Current consumption, max.                                                  | 1.3 A                                    |
| Starting current inrush I <sup>2</sup> t                                   | 0.5 A <sup>2</sup> ·s                    |
| <b>Power loss</b>                                                          |                                          |
| Power loss, typ.                                                           | 24 W                                     |
| Power loss, max.                                                           | 30 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>                                                    |                                          |
| • DVI-D                                                                    | Yes                                      |
| • 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)                                                                  | IP20                                     |
| 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>                                  |                                          |
| Certificate of suitability                                                 | hazardous zone 2/22; shipbuilding        |
| CE mark                                                                    | Yes                                      |
| UL approval                                                                | Yes; cULus, cUL                          |
| cULus                                                                      | Yes                                      |
| FM approval                                                                | Yes; Class I Div. 2                      |
| 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]                   | 403.10657 kg                             |
| — global warming potential, (during production) [CO <sub>2</sub> eq]       | 65.49073 kg                              |
| — global warming potential, (during operation) [CO <sub>2</sub> eq]        | 347.89539 kg                             |
| — global warming potential, (after end of life cycle) [CO <sub>2</sub> eq] | -12.02022 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                                                    | Yes                                      |

|                                                   |                          |         |                |
|---------------------------------------------------|--------------------------|---------|----------------|
| Marine approval                                   |                          |         |                |
| • Germanischer Lloyd (GL)                         | Yes                      |         |                |
| • American Bureau of Shipping (ABS)               | Yes                      |         |                |
| • Bureau Veritas (BV)                             | Yes                      |         |                |
| • Det Norske Veritas (DNV)                        | Yes                      |         |                |
| • Lloyds Register of Shipping (LRS)               | Yes                      |         |                |
| • Nippon Kaiji Kyokai (Class NK)                  | Yes                      |         |                |
| Ambient conditions                                |                          |         |                |
| Ambient temperature during operation              |                          |         |                |
| • min.                                            | 0 °C                     |         |                |
| • max.                                            | 50 °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.                                 | 90 %; no condensation    |         |                |
| Vibrations                                        |                          |         |                |
| • Vibration load in operation                     | 10 m/s <sup>2</sup>      |         |                |
| • Vibration load during transport/storage         | 10 m/s <sup>2</sup>      |         |                |
| Shock testing                                     |                          |         |                |
| • Shock load during operation                     | 150 m/s <sup>2</sup>     |         |                |
| • shock acceleration during storage/transport     | 250 m/s <sup>2</sup>     |         |                |
| Mechanics/material                                |                          |         |                |
| Enclosure material (front)                        |                          |         |                |
| • Aluminum                                        | Yes                      |         |                |
| • Aluminum casting                                | Yes                      |         |                |
| • Glass                                           | Yes; at front            |         |                |
| Enclosure material (rear)                         |                          |         |                |
|                                                   | aluminum                 |         |                |
| Dimensions                                        |                          |         |                |
| Width of the housing front                        | 398 mm                   |         |                |
| Height of housing front                           | 257 mm                   |         |                |
| Mounting cutout, width                            | 382 mm; Tolerance: +1 mm |         |                |
| Mounting cutout, height                           | 241 mm; Tolerance: +1 mm |         |                |
| mounting depth                                    | 63.4 mm                  |         |                |
| Weights                                           |                          |         |                |
| Weight (without packaging)                        | 4 kg                     |         |                |
| Weight (with packaging)                           | 6 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](#)



|                          |     |                                |
|--------------------------|-----|--------------------------------|
| General Product Approval | EMV | For use in hazardous locations |
|--------------------------|-----|--------------------------------|

[BIS CRS](#)



[China RoHS](#)



For use in hazardous locations



[FM](#)



[Miscellaneous](#)

|                                |                      |
|--------------------------------|----------------------|
| For use in hazardous locations | Maritime application |
|--------------------------------|----------------------|

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

|                      |             |
|----------------------|-------------|
| Maritime application | Environment |
|----------------------|-------------|

[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)



last modified: 4/1/2025