

SIMATIC IFP2200 V2 Extended, 22" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



Figure similar

| General information                   |                                          |
|---------------------------------------|------------------------------------------|
| Product type designation              | IFP2200 V2                               |
| Short designation                     | SIMATIC IFP2200 V2 ext.                  |
| Display                               |                                          |
| Design of display                     | TFT widescreen display, LED backlighting |
| Screen diagonal                       | 21.5 in; 22"                             |
| Screen diagonal [cm]                  | 56 cm                                    |
| Display width                         | 476 mm                                   |
| Display height                        | 268 mm                                   |
| On Screen Display (OSD) configuration | No; Adjustable by means of software      |
| Number of colors                      | 16 777 216; 24 bit                       |
| Viewing angle                         | 170° x 170°                              |
| Resolution (pixels)                   |                                          |
| • Image resolution                    | 1 920 x 1 080                            |
| • Horizontal image resolution         | 1 920 pixel                              |
| • Vertical image resolution           | 1 080 pixel                              |
| • Pixel size, horizontal              | 0.2475 mm                                |
| • Pixel size, vertical                | 0.2475 mm                                |
| General features                      |                                          |
| • Brightness/contrast                 | 250 cd/m² / 1 000:1                      |
| • Detachable from computer unit       | 100 m; HDBaseT protocol                  |
| • Luminance                           | 250 cd/m²                                |
| 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; Also externally via USB             |
| 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                         | 45°                                      |
| maximum permitted backward tilt angle from vertical                        | 45°                                      |
| <b>Supply voltage</b>                                                      |                                          |
| 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                                   |
| <b>Input current</b>                                                       |                                          |
| Current consumption (rated value)                                          | 1 A                                      |
| Current consumption, max.                                                  | 1.3 A                                    |
| Inrush current, max.                                                       | 2 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                          |
| <b>Video interfaces</b>                                                    |                                          |
| • DVI-D                                                                    | No                                       |
| • 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                          |
| FM approval                                                                | Yes; Class I Div. 2                      |
| 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]                   | 424.98835 kg                             |
| — global warming potential, (during production) [CO <sub>2</sub> eq]       | 90.85845 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] | -16.20242 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                                      |
| <b>Marine approval</b>                                                     |                                          |
| • Germanischer Lloyd (GL)                                                  | Yes                                      |
| • American Bureau of Shipping (ABS)                                        | Yes                                      |

|                                                                                                                                                                                               |                          |         |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------|----------------|
| <ul style="list-style-type: none"><li>• Bureau Veritas (BV)</li><li>• Det Norske Veritas (DNV)</li><li>• Lloyds Register of Shipping (LRS)</li><li>• Nippon Kaiji Kyokai (Class NK)</li></ul> | Yes                      |         |                |
|                                                                                                                                                                                               | Yes                      |         |                |
|                                                                                                                                                                                               | Yes                      |         |                |
|                                                                                                                                                                                               | Yes                      |         |                |
| Ambient conditions                                                                                                                                                                            |                          |         |                |
| Ambient temperature during operation                                                                                                                                                          |                          |         |                |
| <ul style="list-style-type: none"><li>• min.</li></ul>                                                                                                                                        | 0 °C                     |         |                |
| <ul style="list-style-type: none"><li>• max.</li></ul>                                                                                                                                        | 45 °C                    |         |                |
| Ambient temperature during storage/transportation                                                                                                                                             |                          |         |                |
| <ul style="list-style-type: none"><li>• min.</li></ul>                                                                                                                                        | -20 °C                   |         |                |
| <ul style="list-style-type: none"><li>• max.</li></ul>                                                                                                                                        | 60 °C                    |         |                |
| Altitude during operation relating to sea level                                                                                                                                               |                          |         |                |
| <ul style="list-style-type: none"><li>• Installation altitude above sea level, max.</li></ul>                                                                                                 | 3 500 m                  |         |                |
| Relative humidity                                                                                                                                                                             |                          |         |                |
| <ul style="list-style-type: none"><li>• Operation, max.</li></ul>                                                                                                                             | 90 %; no condensation    |         |                |
| Vibrations                                                                                                                                                                                    |                          |         |                |
| <ul style="list-style-type: none"><li>• Vibration load in operation</li></ul>                                                                                                                 | 10 m/s²                  |         |                |
| <ul style="list-style-type: none"><li>• Vibration load during transport/storage</li></ul>                                                                                                     | 10 m/s²                  |         |                |
| Shock testing                                                                                                                                                                                 |                          |         |                |
| <ul style="list-style-type: none"><li>• Shock load during operation</li></ul>                                                                                                                 | 150 m/s²                 |         |                |
| <ul style="list-style-type: none"><li>• shock acceleration during storage/transport</li></ul>                                                                                                 | 250 m/s²                 |         |                |
| Mechanics/material                                                                                                                                                                            |                          |         |                |
| Enclosure material (front)                                                                                                                                                                    |                          |         |                |
| <ul style="list-style-type: none"><li>• Aluminum</li></ul>                                                                                                                                    | Yes                      |         |                |
| <ul style="list-style-type: none"><li>• Aluminum casting</li></ul>                                                                                                                            | Yes                      |         |                |
| <ul style="list-style-type: none"><li>• Glass</li></ul>                                                                                                                                       | Yes; at front            |         |                |
| Enclosure material (rear)                                                                                                                                                                     | aluminum                 |         |                |
| Dimensions                                                                                                                                                                                    |                          |         |                |
| Width of the housing front                                                                                                                                                                    | 529 mm                   |         |                |
| Height of housing front                                                                                                                                                                       | 331 mm                   |         |                |
| Mounting cutout, width                                                                                                                                                                        | 513 mm; Tolerance: +1 mm |         |                |
| Mounting cutout, height                                                                                                                                                                       | 315 mm; Tolerance: +1 mm |         |                |
| mounting depth                                                                                                                                                                                | 63.4 mm                  |         |                |
| Weights                                                                                                                                                                                       |                          |         |                |
| Weight (without packaging)                                                                                                                                                                    | 6.4 kg                   |         |                |
| Weight (with packaging)                                                                                                                                                                       | 8.4 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 \(Korean Register of Shipping\)](#)



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