

SIMATIC IFP2400 V2 Extended, 24" 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 | IFP2400 V2 |
| Short designation | SIMATIC IFP2400 V2 |
| Display | |
| Design of display | TFT widescreen display, LED backlighting |
| Screen diagonal | 23.8 in; 24" |
| Screen diagonal [cm] | 60.47 cm |
| Display width | 527 mm |
| Display height | 296 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 | 0.2745 mm |
| • Pixel size, vertical | 0.2745 mm |
| General features | |
| • Brightness/contrast | 250 cd/m ² / 1 000:1 |
| • Detachable from computer unit | 100 m; HDBaseT protocol |
| • Luminance | 250 cd/m ² |
| 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 | 35° |
| maximum permitted backward tilt angle from vertical | 35° |
| Supply voltage | |
| 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 |
| Input current | |
| Current consumption (rated value) | 1.5 A |
| Current consumption, max. | 1.9 A |
| Starting current inrush I ² t | 0.5 A ² ·s |
| Power loss | |
| Power loss, typ. | 36 W |
| Power loss, max. | 41 W |
| Interfaces | |
| Number of USB interfaces | 2; USB 2.0 type A |
| USB on the rear | Yes; 2x onboard |
| Video interfaces | |
| • DisplayPort | Yes; Display port V1.2 |
| Touch interfaces | |
| • USB | Yes |
| Degree and class of protection | |
| 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 |
| Standards, approvals, certificates | |
| 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 |
| Ecological footprint | |
| • environmental product declaration | Yes |
| Global warming potential | |
| — global warming potential, (total) [CO ₂ eq] | 599.24824 kg |
| — global warming potential, (during production) [CO ₂ eq] | 102.49892 kg |
| — global warming potential, (during operation) [CO ₂ eq] | 511.99699 kg |
| — global warming potential, (after end of life cycle) [CO ₂ eq] | -18.11975 kg |
| Use in hazardous areas | |
| • ATEX Zone 2 | Yes |
| • ATEX Zone 22 | Yes |
| • IECEx Zone 2 | Yes |
| • IECEx Zone 22 | Yes |
| • FM Class I Division 2 | Yes |
| Marine approval | |
| • 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. | 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. | 90 %; no condensation | |
| Vibrations | | |
| • Vibration load in operation | 10 m/s ² | |
| • Vibration load during transport/storage | 10 m/s ² | |
| Shock testing | | |
| • Shock load during operation | 150 m/s ² | |
| • shock acceleration during storage/transport | 250 m/s ² | |
| Mechanics/material | | |
| Enclosure material (front) | | |
| • Aluminum | Yes | |
| • Aluminum casting | Yes | |
| • Glass | Yes; at front | |
| Enclosure material (rear) | | |
| | aluminum | |
| Dimensions | | |
| Width of the housing front | 585 mm | |
| Height of housing front | 363 mm | |
| Mounting cutout, width | 569.6 mm; Tolerance: +1 mm | |
| Mounting cutout, height | 347.6 mm; Tolerance: +1 mm | |
| mounting depth | 63.4 mm | |
| Weights | | |
| Weight (without packaging) | 7.9 kg | |
| Weight (with packaging) | 9.9 kg | |
| Classifications | | |
| | Version | Classification |
| 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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