

SIMATIC IFP1900 V2 Extended, 19 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, neutral design



Figure similar

| General information | |
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| Product type designation | IFP1900 V2 |
| Short designation | SIMATIC IFP1900 V2 ext. |
| Display | |
| Design of display | TFT widescreen display, LED backlighting |
| Screen diagonal | 18.5 in; 19" |
| Screen diagonal [cm] | 47 cm |
| Display width | 408.96 mm |
| Display height | 230.04 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 | 0.213 mm |
| • Pixel size, vertical | 0.213 mm |
| General features | |
| • Brightness/contrast | 350 cd/m ² / 1 000:1 |
| • non-reflective and tempered mineral glass screen | Yes |
| • Detachable from computer unit | 100 m; HDBaseT protocol |
| • Luminance | 350 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 |

| | |
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| 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; PELV / SELV floating |
| permissible range, lower limit (DC) | 19.2 V |
| permissible range, upper limit (DC) | 28.8 V |
| Input current | |
| Current consumption (rated value) | 1.2 A |
| Current consumption, max. | 1.5 A |
| Starting current inrush I _{st} | 0.5 A ² ·s |
| Power loss | |
| Power loss, typ. | 29 W |
| Power loss, max. | 35 W |
| Interfaces | |
| Number of USB interfaces | 2; USB 2.0 type A |
| USB on the rear | Yes; 2x onboard |
| Connection for keyboard/mouse | USB |
| Video interfaces | |
| <ul style="list-style-type: none"> • DVI-D • DisplayPort | <p>No</p> <p>Yes; Display port V1.2</p> |
| Touch interfaces | |
| <ul style="list-style-type: none"> • USB | Yes |
| Degree and class of protection | |
| IP (at the front) | IP65 |
| IP (rear) | IP20 |
| NEMA (front) <ul style="list-style-type: none"> • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front | <p>Yes</p> <p>Yes</p> <p>Yes</p> |
| 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 |
| Use in hazardous areas | |
| <ul style="list-style-type: none"> • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> |
| Marine approval | |
| <ul style="list-style-type: none"> • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> |
| Ambient conditions | |
| Ambient temperature during operation <ul style="list-style-type: none"> • min. | <p>0 °C</p> |

| | |
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| • 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 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) | With neutral design |
| • Aluminum | Yes |
| • Aluminum casting | Yes |
| • Glass | Yes; at front |
| Enclosure material (rear) | aluminum |
| Dimensions | |
| Width of the housing front | 464 mm |
| Height of housing front | 294 mm |
| Mounting cutout, width | 448 mm; Tolerance: +1 mm |
| Mounting cutout, height | 278 mm; Tolerance: +1 mm |
| Overall depth | 63.4 mm |
| Weights | |
| Weight (without packaging) | 5 kg |
| Weight (with packaging) | 7 kg |

last modified:

10/13/2021 