## SIEMENS

SIMATIC IFP1900 PRO, Flat Panel, 19" display (16:9), Multitouch, suitable for support arm and extension components, extended version max. 30m, $1366 \times 768$ pixel, for $24 V$ DC, displayport/DVI Interface, IP65, fully enlosed, neutral design

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| General information |  |
| Product type designation | IFP1900 PRO |
| Short designation | Flat Panel 19" PRO multi-touch ext. |
| Display |  |
| Design of display | TFT widescreen display, LED backlighting |
| Screen diagonal | 18.5 in ; 19" |
| Screen diagonal [cm] | 47 cm |
| Display width | 409.8 mm |
| Display height | 230.4 mm |
| On Screen Display (OSD) configuration | No; Adjustable by means of software |
| Number of colors | 16777 216; 24 bit |
| Viewing angle | $170^{\circ} \times 160^{\circ}$ |
| Resolution (pixels) |  |
| - Image resolution | $1366 \times 768$ |
| - Horizontal image resolution | 1366 pixel |
| - Vertical image resolution | 768 pixel |
| - Pixel size, horizontal | 0.3 mm |
| - Pixel size, vertical | 0.3 mm |
| General features |  |
| - Brightness/contrast | $300 \mathrm{~cd} / \mathrm{m}^{2} / 1$ 000:1 |
| - non-reflective and tempered mineral glass screen | Yes |
| - Detachable from computer unit | 30 m |
| - Luminance | $300 \mathrm{~cd} / \mathrm{m}^{2}$ |
| Backlighting |  |
| - Type of backlighting | LED |
| - MTBF backlighting (at $25^{\circ} \mathrm{C}$ ) | 50000 h ; At $25^{\circ} \mathrm{C}$ |
| - Backlight dimmable | Yes; 0-100 \% |
| Control elements |  |
| Control elements | multi-touch screen |
| Input device |  |
| - Integrated mouse cursor control | Yes; Also externally via USB |
| Keyboard fonts |  |
| - Function keys | No |
| - Number of function keys | 0 |
| Touch operation |  |
| - Design as touch screen | Yes |
| - Design as multi-touch screen | Yes; Projective-capacitive |


| - Monitor keyboard | Yes |
| :---: | :---: |
| Installation type/mounting |  |
| Design | Support arm mounting |
| Front mounting | No |
| Support arm mounting | Yes; Suitable for support arm and extension components (please refer to manual) |
| Stand mounting | No |
| Built-in unit | No; IP65 fully enclosed |
| maximum permitted forward tilt angle from vertical | $45^{\circ}$ |
| maximum permitted backward tilt angle from vertical | $45^{\circ}$ |
| 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) | 2 A |
| Inrush current, max. | 2.8 A |
| Starting current inrush $\mathrm{I}^{2} \mathrm{t}$ | $0.5 \mathrm{~A}^{2}$. s |
| Power |  |
| Active power input, typ. | 40 W |
| Power loss |  |
| Power loss, typ. | 40 W |
| Power loss, max. | 60 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 |  |
| - analog video signal (VGA) | No |
| - DVI-D | Yes |
| - DisplayPort | Yes; DisplayPort V1.1 |
| Touch interfaces |  |
| - USB | Yes |
| Degree and class of protection |  |
| IP (at the front) | IP65 |
| NEMA (front) |  |
| - Enclosure Type 4 at the front | Yes |
| - Enclosure Type 4x at the front | Yes |
| Standards, approvals, certificates |  |
| CE mark | Yes |
| cULus | Yes; Corresponds to UL 508 |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| Use in hazardous areas |  |
| - ATEX Zone 2 | Yes |
| - ATEX Zone 22 | Yes |
| - IECEx Zone 2 | Yes |
| - IECEx Zone 22 | Yes |
| - cULus Class I Zone 2, Division 2 | Yes |
| - FM Class I Division 2 | Yes |
| Ambient conditions |  |
| Ambient temperature during operation |  |
| - min. | $0^{\circ} \mathrm{C}$ |
|  |  |
| Ambient temperature during storage/transportation |  |


| - min. <br> - max. | $\begin{aligned} & -20^{\circ} \mathrm{C} \\ & 60^{\circ} \mathrm{C} \end{aligned}$ |
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| Relative humidity |  |
| - Operation, max. | 95 \%; no condensation |
| Vibrations |  |
| - Vibration load in operation | $10 \mathrm{~m} / \mathrm{s}^{2}$ |
| - Vibration load during transport/storage | $10 \mathrm{~m} / \mathrm{s}^{2}$ |
| Shock testing |  |
| - Shock load during operation | $150 \mathrm{~m} / \mathrm{s}^{2}$ |
| - shock acceleration during storage/transport | $150 \mathrm{~m} / \mathrm{s}^{2}$ |
| Mechanics/material |  |
| Enclosure material (front) | With neutral design |
| - Aluminum | Yes |
| - Glass | Yes; at front |
| Dimensions |  |
| Width | 462 mm |
| Height | 296 mm; Without basic adapter |
| Depth | 160 mm ; Without basic adapter |
| Weights |  |
| Weight without packaging | 8.2 kg |
| Weight incl. packaging | 11 kg |
| last modified: | 1/16/2021 |

