# SIEMENS

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



| 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 | 16 777 216; 24 bit |
| Viewing angle | 170° x 160° |
| Resolution (pixels) | |
| ● Image resolution | 1 366 x 768 |
| ● Horizontal image resolution | 1 366 pixel |
| ● Vertical image resolution | 768 pixel |
| ● Pixel size, horizontal | 0.3 mm |
| ● Pixel size, vertical | 0.3 mm |
| General features | |
| ● Brightness/contrast | 300 cd/m² / 1 000:1 |
| ● non-reflective and tempered mineral glass screen | Yes |
| ● Detachable from computer unit | 30 m |
| ● Luminance | 300 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 |
| 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 |

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| ● Monitor keyboard | Yes |
| **Installation type/mounting** | |
| Design | Support arm mounting |
| Front mounting | No |
| Support arm mounting | Yes; Suitable for support arm without extension components |
| Stand mounting | No |
| Built-in unit | No; IP65 fully enclosed |
| maximum permitted forward tilt angle from vertical | 45° |
| maximum permitted backward tilt angle from vertical | 45° |
| **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 I²t | 0.5 A²·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 °C |
| ● max. | 45 °C |
| Ambient temperature during storage/transportation | |
| ● min. | -20 °C |

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| ● max. | 60 °C |
| **Relative humidity** | |
| ● Operation, max. | 95 %; no condensation |
| **Vibrations** | |
| ● Vibration load in operation | 10 m/s² |
| ● Vibration load during transport/storage | 10 m/s² |
| **Shock testing** | |
| ● Shock load during operation | 150 m/s² |
| ● shock acceleration during storage/transport | 150 m/s² |
| **Mechanics/material** | |
| Enclosure material (front) | In standard design |
| ● Aluminum | Yes |
| ● Glass | Yes; at front |
| **Dimensions** | |
| Width | 462 mm |
| Height | 296 mm; Without basic adapter |
| Depth | 94 mm; Without basic adapter |
| **Weights** | |
| Weight without packaging | 7.3 kg |
| Weight incl. packaging | 10 kg |

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| **last modified:** | 1/16/2021 ↗ |

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