SIEMENS

## Data sheet 6AV7285-6KN00-0AA0

SIMATIC IFP1900 V2 Standard 5:4 19" multi-touch display (5:4) with 1280x1024 pixel resolution, built-in unit for 24 V DC; display port/DVI interface; including DP/USB cable 1.8 m; USB on the rear side; neutral design

| | |
|---|---|
| **General information** | |
| Product type designation | SIMATIC IFP1900 V2 Standard 5:4 |
| Short designation | Flat Panel 19" multi-touch |
| **Display** | |
| Design of display | TFT display, LED backlighting |
| Screen diagonal | 19 in |
| Screen diagonal [cm] | 48.3 cm |
| Display width | 376.3 mm |
| Display height | 301.1 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 | 1 280 x 1 024 |
| ● Horizontal image resolution | 1 280 pixel |
| ● Vertical image resolution | 1 024 pixel |
| ● Pixel size, horizontal | 0.294 mm |
| ● Pixel size, vertical | 0.294 mm |
| General features | |
| ● Brightness/contrast | 350 cd/m² / 2 000:1 |
| ● non-reflective and tempered mineral glass screen | Yes |
| ● Detachable from computer unit | 5 m |
| ● Luminance | 350 cd/m² |
| Backlighting | |
| ● Type of backlighting | LED |
| ● MTBF backlighting (at 25 °C) | 50 000 h; At 25°C |
| **Control elements** | |
| Control elements | multi-touch screen |
| Touch operation | |
| ● Design as touch screen | Yes; Projective-capacitive |
| ● Design as multi-touch screen | Yes; Projective-capacitive |
| ● Monitor keyboard | Yes |
| **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; 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) | 0.86 A |


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| | |
|---|---|
| Current consumption, max. | 1.34 A |
| Inrush current, max. | 2.8 A |
| Starting current inrush I²t | 0.5 A²·s |
| **Power loss** | |
| Power loss, typ. | 22.7 W |
| Power loss, max. | 28 W |
| **Interfaces** | |
| Number of USB interfaces | 3; 2x USB 2.0 type A, 1x USB 2.0 type B |
| USB on the rear | Yes; 2x onboard |
| USB at the front | No |
| Connection for keyboard/mouse | USB |
| Video interfaces | |
| ● DVI-D | Yes |
| ● 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** | |
| CE mark | Yes |
| UL approval | Yes; cULus, cUL |
| ● UL 508 | UL 61010 |
| cULus | Yes |
| EMC | CE, EN 55016-2-3, EN 61000-6-4:2007 + A1:2011, EN IEC 61000-6-4:2019, EN 61000-6-2:2005, EN IEC 61000-6-2:2019 |
| Use in hazardous areas | |
| ● ATEX Zone 22 | No |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● 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 | 1 gn |
| ● Vibration load during transport/storage | 1 gn |
| Shock testing | |
| ● Shock load during operation | 15 gn |
| ● shock acceleration during storage/transport | 15 gn |
| **Mechanics/material** | |
| Enclosure material (front) | |
| ● Aluminum | Yes |
| ● Aluminum casting | Yes |
| ● Glass | Yes; at front |
| Enclosure material (rear) | aluminum |
| **Dimensions** | |
| Width of the housing front | 466 mm |
| Height of housing front | 396 mm |
| Mounting cutout, width | 448 mm; Tolerance: +1 mm |


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| | |
|---|---|
| Mounting cutout, height | 378 mm; Tolerance: +1 mm |
| mounting depth | 63.4 mm |

## Weights

| | |
|---|---|
| Weight (without packaging) | 6.7 kg |
| Weight (with packaging) | 8 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 |

## Approvals / Certificates

### General Product Approval

Manufacturer Declaration

China RoHS

**last modified:** 9/11/2026


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