

SIMATIC IFP1900 Flat Panel 19" display (16: 9), Touch, Extended version up to 30 m, 1366x 768 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



### General information

|                          |                           |
|--------------------------|---------------------------|
| Product type designation | IFP1900                   |
| Short designation        | Flat Panel 19" touch ext. |

### Display

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| Design of display                     | TFT widescreen display, LED backlighting |
| Screen diagonal                       | 18.5 in                                  |
| Screen diagonal [cm]                  | 47 cm                                    |
| Display width                         | 409.8 mm                                 |
| Display height                        | 230.4 mm                                 |
| Viewing angle                         | 170° x 160°                              |
| On Screen Display (OSD) configuration | No; Adjustable by means of software      |
| Number of colors                      | 16 777 216; 24 bit                       |

| Resolution (pixels)           |             |
|-------------------------------|-------------|
| • 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

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| • Detachable from computer unit                     | 30 m                            |
| • Brightness/contrast                               | 300 cd/m <sup>2</sup> / 1 000:1 |
| • Luminance                                         | 300 cd/m <sup>2</sup>           |
| <b>Backlighting</b>                                 |                                 |
| • Type of backlighting                              | LED                             |
| • MTBF backlighting (at 25 °C)                      | 50 000 h; At 25°C               |
| • Backlight dimmable                                | Yes; 0-100 %                    |
| <b>Control elements</b>                             |                                 |
| <b>Input device</b>                                 |                                 |
| • Integrated mouse cursor control                   | No                              |
| <b>Keyboard fonts</b>                               |                                 |
| • Function keys                                     | No                              |
| — Number of function keys                           | 0                               |
| <b>Touch operation</b>                              |                                 |
| • Design as touch screen                            | Yes; Analog-resistive           |
| • Monitor keyboard                                  | Yes                             |
| <b>Installation type/mounting</b>                   |                                 |
| Built-in unit                                       | Yes; Portrait mode possible     |
| maximum permitted forward tilt angle from vertical  | 35°                             |
| maximum permitted backward tilt angle from vertical | 35°                             |
| <b>Supply voltage</b>                               |                                 |
| Type of supply voltage                              | AC/DC                           |
| Rated value (DC)                                    | 24 V                            |
| permissible range, lower limit (DC)                 | 19.2 V                          |
| permissible range, upper limit (DC)                 | 28.8 V                          |
| Rated value (AC)                                    | 100 V; Up to 240V, 50/60 Hz     |
| permissible range, lower limit (AC)                 | 90 V                            |
| permissible range, upper limit (AC)                 | 264 V                           |
| <b>Power loss</b>                                   |                                 |
| Power loss, typ.                                    | 40 W                            |
| Power loss, max.                                    | 65 W                            |
| <b>Interfaces</b>                                   |                                 |
| USB on the rear                                     | 2                               |
| Connection for keyboard/mouse                       | USB                             |
| <b>Video interfaces</b>                             |                                 |
| • analog video signal (VGA)                         | No                              |
| • DVI-D                                             | Yes                             |
| • DisplayPort                                       | Yes; DisplayPort V1.1           |
| <b>Touch interfaces</b>                             |                                 |
| • USB                                               | Yes                             |

| Degree and class of protection                    |                                           |
|---------------------------------------------------|-------------------------------------------|
| IP (at the front)                                 | IP65                                      |
| • IP65 at front                                   | Yes                                       |
| IP (rear)                                         |                                           |
| • IP20 rear                                       | Yes                                       |
| NEMA (front)                                      |                                           |
| • Enclosure Type 4 at the front                   | Yes                                       |
| • NEMA4 at the front                              | No                                        |
| • NEMA4X at the front                             | No                                        |
| Standards, approvals, certificates                |                                           |
| CE mark                                           | Yes                                       |
| cULus                                             | Yes; Corresponds to UL 508                |
| RCM (formerly C-TICK)                             | Yes                                       |
| KC approval                                       | Yes                                       |
| Use in hazardous areas                            |                                           |
| • FM Class I Division 2                           | Yes                                       |
| Ambient conditions                                |                                           |
| Ambient temperature during operation              |                                           |
| • min.                                            | 0 °C                                      |
| • max.                                            | 45 °C; Vertical installation (horizontal) |
| Ambient temperature during storage/transportation |                                           |
| • min.                                            | -20 °C                                    |
| • max.                                            | 60 °C                                     |
| Relative humidity                                 |                                           |
| • Operation, max.                                 | 95 %; 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 load during transport/storage             | 15 gn                                     |
| Mechanics/material                                |                                           |
| Enclosure material (front)                        |                                           |
| • Aluminum                                        | Yes                                       |
| Dimensions                                        |                                           |
| Width of the housing front                        | 483 mm                                    |
| Height of housing front                           | 337 mm                                    |
| Mounting cutout, width                            | 465 mm; Tolerance: +1 mm                  |
| Mounting cutout, height                           | 319 mm; Tolerance: +1 mm                  |
| Overall depth                                     | 62.5 mm                                   |

| Weights                  |            |
|--------------------------|------------|
| Weight without packaging | 5.5 kg     |
| Weight incl. packaging   | 6.5 kg     |
| <b>last modified:</b>    | 12/21/2019 |