



Figure similar

SIMATIC IFP1900 V2 PRO, 19" multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, with operator control, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, neutral design

| General information                                |                                          |
|----------------------------------------------------|------------------------------------------|
| Product type designation                           | IFP1900 V2 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                                      | 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 <sup>2</sup> / 1 000:1          |
| • non-reflective and tempered mineral glass screen | Yes                                      |
| • Detachable from computer unit                    | 100 m; HDBaseT protocol                  |
| • Luminance                                        | 350 cd/m <sup>2</sup>                    |
| 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                                      |
| 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) |
| VESA mounting                                                              | Yes; VESA 100 x 100 integrated                                                  |
| maximum permitted forward tilt angle from vertical                         | 45°                                                                             |
| maximum permitted backward tilt angle from vertical                        | 45°                                                                             |
| <b>Supply voltage</b>                                                      |                                                                                 |
| 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                                                                          |
| <b>Input current</b>                                                       |                                                                                 |
| Current consumption (rated value)                                          | 1.2 A                                                                           |
| Current consumption, max.                                                  | 1.5 A                                                                           |
| Starting current inrush I <sup>2</sup> t                                   | 0.5 A <sup>2</sup> ·s                                                           |
| <b>Power loss</b>                                                          |                                                                                 |
| Power loss, typ.                                                           | 29 W                                                                            |
| Power loss, max.                                                           | 36 W                                                                            |
| <b>Interfaces</b>                                                          |                                                                                 |
| Number of USB interfaces                                                   | 2; USB 2.0 type A                                                               |
| USB on the rear                                                            | Yes; 2x onboard                                                                 |
| Connection for keyboard/mouse                                              | USB                                                                             |
| <b>Video interfaces</b>                                                    |                                                                                 |
| • DisplayPort                                                              | Yes; Display port V1.2                                                          |
| <b>Touch interfaces</b>                                                    |                                                                                 |
| • USB                                                                      | Yes                                                                             |
| <b>Degree and class of protection</b>                                      |                                                                                 |
| IP (at the front)                                                          | IP65                                                                            |
| IP (rear)                                                                  | IP65                                                                            |
| NEMA (front)                                                               |                                                                                 |
| • Enclosure Type 4 at the front                                            | Yes                                                                             |
| • Enclosure Type 4x at the front                                           | Yes                                                                             |
| <b>Standards, approvals, certificates</b>                                  |                                                                                 |
| Certificate of suitability                                                 | hazardous zone 2/22; shipbuilding                                               |
| CE mark                                                                    | Yes                                                                             |
| UL approval                                                                | Yes                                                                             |
| cULus                                                                      | Yes; Corresponds to UL 508                                                      |
| FM approval                                                                | in preparation                                                                  |
| RCM (formerly C-TICK)                                                      | Yes                                                                             |
| EAC (formerly Gost-R)                                                      | Yes                                                                             |
| EMC                                                                        | CE, EN 55011, EN 61000-6-4, EN 61000-6-2                                        |
| <b>Ecological footprint</b>                                                |                                                                                 |
| • environmental product declaration                                        | Yes                                                                             |
| <b>Global warming potential</b>                                            |                                                                                 |
| — global warming potential, (total) [CO <sub>2</sub> eq]                   | 486.5787 kg                                                                     |
| — global warming potential, (during production) [CO <sub>2</sub> eq]       | 86.31341 kg                                                                     |
| — global warming potential, (during operation) [CO <sub>2</sub> eq]        | 416.27106 kg                                                                    |
| — global warming potential, (after end of life cycle) [CO <sub>2</sub> eq] | -18.26863 kg                                                                    |
| <b>Use in hazardous areas</b>                                              |                                                                                 |
| • ATEX Zone 2                                                              | Yes                                                                             |
| • ATEX Zone 22                                                             | Yes                                                                             |
| • IECEx Zone 2                                                             | Yes                                                                             |
| • IECEx Zone 22                                                            | Yes                                                                             |
| • FM Class I Division 2                                                    | No                                                                              |
| <b>Ambient conditions</b>                                                  |                                                                                 |
| <b>Ambient temperature during operation</b>                                |                                                                                 |
| • min.                                                                     | 0 °C                                                                            |
| • max.                                                                     | 45 °C                                                                           |

|                                                   |                       |
|---------------------------------------------------|-----------------------|
| 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 acceleration during storage/transport     | 15 gn                 |
| 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                        | 462 mm                |
| Height of housing front                           | 292 mm                |
| Weights                                           |                       |
| Weight (without packaging)                        | 6.9 kg                |
| Weight (with packaging)                           | 7.8 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       |
| IDEA   | 4       | 6675           |
| UNSPSC | 15      | 43-21-19-02    |

|                          |  |
|--------------------------|--|
| Approvals / Certificates |  |
| General Product Approval |  |

[Miscellaneous](#)



[Manufacturer Declaration](#)



|                          |     |                                |
|--------------------------|-----|--------------------------------|
| General Product Approval | EMV | For use in hazardous locations |
|--------------------------|-----|--------------------------------|

[BIS CRS](#)

[China RoHS](#)



|                                |                      |             |
|--------------------------------|----------------------|-------------|
| For use in hazardous locations | Maritime application | Environment |
|--------------------------------|----------------------|-------------|



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4/1/2025 