

SIMATIC IFP2400 V2 PRO, 24" multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, neutral design



Figure similar

| General information                   |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Product type designation              | IFP2400 V2 PRO                                             |
| Short designation                     | Flat Panel 24" PRO multi-touch ext.                        |
| Display                               |                                                            |
| Design of display                     | TFT widescreen display, LED backlighting                   |
| Screen diagonal                       | 23.8 in                                                    |
| Screen diagonal [cm]                  | 60.47 cm                                                   |
| Display width                         | 527 mm                                                     |
| Display height                        | 296 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              | 0.2745 mm                                                  |
| • Pixel size, vertical                | 0.2745 mm                                                  |
| General features                      |                                                            |
| • Brightness/contrast                 | 250 cd/m² / 1 000:1                                        |
| • Detachable from computer unit       | 100 m; HDBaseT protocol                                    |
| • Luminance                           | 250 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                               |
| 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 without extension components |

|                                                                            |                                          |
|----------------------------------------------------------------------------|------------------------------------------|
| Stand mounting                                                             | No                                       |
| 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)                                          | 1.5 A                                    |
| Current consumption, max.                                                  | 1.9 A                                    |
| Starting current inrush I <sup>2</sup> t                                   | 0.5 A <sup>2</sup> ·s                    |
| <b>Power loss</b>                                                          |                                          |
| Power loss, typ.                                                           | 36 W                                     |
| Power loss, max.                                                           | 41 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, cUL                          |
| cULus                                                                      | Yes                                      |
| 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 |
| Marine approval                                                            | in preparation                           |
| <b>Ecological footprint</b>                                                |                                          |
| • environmental product declaration                                        | Yes                                      |
| <b>Global warming potential</b>                                            |                                          |
| — global warming potential, (total) [CO <sub>2</sub> eq]                   | 603.43138 kg                             |
| — global warming potential, (during production) [CO <sub>2</sub> eq]       | 109.46512 kg                             |
| — global warming potential, (during operation) [CO <sub>2</sub> eq]        | 511.99699 kg                             |
| — global warming potential, (after end of life cycle) [CO <sub>2</sub> eq] | -21.27996 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>Marine approval</b>                                                     |                                          |
| • Germanischer Lloyd (GL)                                                  | Yes; In application process              |
| • American Bureau of Shipping (ABS)                                        | Yes; In application process              |
| • Bureau Veritas (BV)                                                      | Yes; In application process              |

- Det Norske Veritas (DNV) Yes; In application process
- Lloyds Register of Shipping (LRS) Yes; In application process
- Nippon Kaiji Kyokai (Class NK) Yes; In application process

#### Ambient conditions

|                                                   |                       |
|---------------------------------------------------|-----------------------|
| Ambient temperature during operation              |                       |
| • min.                                            | 0 °C                  |
| • max.                                            | 45 °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.                                 | 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 | 583 mm |
| Height of housing front    | 361 mm |

#### Weights

|                            |         |
|----------------------------|---------|
| Weight (without packaging) | 9.2 kg  |
| Weight (with packaging)    | 11.2 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

[BIS CRS](#)



[China RoHS](#)



For use in hazardous locations

Maritime application



[Miscellaneous](#)

[NK / Nippon Kaiji Ky-  
okai](#)

Environment



last modified:

4/1/2025