



SIMATIC IFP2400 V2 PRO, 24 multi-touch display (16:9) portrait format with 1080x1920 (portrait) pixels resolution, PRO upright support arm, with operator control, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design

| 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                         | 296 mm                                                                          |
| Display height                        | 527 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                    | 1 080 x 1 920                                                                   |
| • Horizontal image resolution         | 1 080 pixel                                                                     |
| • Vertical image resolution           | 1 920 pixel                                                                     |
| • Pixel size, horizontal              | 0.2745 mm                                                                       |
| • Pixel size, vertical                | 0.2745 mm                                                                       |
| General features                      |                                                                                 |
| • Brightness/contrast                 | 250 cd/m <sup>2</sup> / 1 000:1                                                 |
| • Detachable from computer unit       | 100 m; HDBaseT protocol                                                         |
| • Luminance                           | 250 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) |

|                                                          |                                          |
|----------------------------------------------------------|------------------------------------------|
| Stand mounting                                           | Yes                                      |
| 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 <sub>st</sub>                  | 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                                              | Available soon                           |
| RCM (formerly C-TICK)                                    | Yes                                      |
| EAC (formerly Gost-R)                                    | Yes                                      |
| EMC                                                      | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| Marine approval                                          | Available soon                           |
| <b>Use in hazardous areas</b>                            |                                          |
| • ATEX Zone 2                                            | Yes; Available soon                      |
| • ATEX Zone 22                                           | Yes; Available soon                      |
| • IECEx Zone 2                                           | Yes; Available soon                      |
| • IECEx Zone 22                                          | Yes; Available soon                      |
| • cULus Class I Zone 2, Division 2                       | Yes; Available soon                      |
| • FM Class I Division 2                                  | Yes; Available soon                      |
| <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              |
| <b>Ambient conditions</b>                                |                                          |
| <b>Ambient temperature during operation</b>              |                                          |
| • min.                                                   | 0 °C                                     |
| • max.                                                   | 45 °C                                    |
| <b>Ambient temperature during storage/transportation</b> |                                          |
| • 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                                                                                         |
| <b>Mechanics/material</b>                       |                                                                                               |
| Enclosure material (front)                      | In standard design                                                                            |
| • Aluminum                                      | Yes                                                                                           |
| • Aluminum casting                              | Yes                                                                                           |
| • Glass                                         | Yes; at front                                                                                 |
| Enclosure material (rear)                       | aluminum                                                                                      |
| <b>Dimensions</b>                               |                                                                                               |
| Width                                           | 361 mm                                                                                        |
| Height                                          | 583 mm; Without basic adapter                                                                 |
| Depth                                           | 162.8 mm; Without basic adapter                                                               |
| Width of the housing front                      | 361 mm                                                                                        |
| Height of housing front                         | 583 mm                                                                                        |
| <b>Weights</b>                                  |                                                                                               |
| Weight (without packaging)                      | 9.2 kg                                                                                        |
| Weight (with packaging)                         | 11.2 kg                                                                                       |
| <b>last modified:</b>                           | 2/23/2022  |