# SIEMENS

**Data sheet**                                                    **6AV7863-2TB10-0AA0**
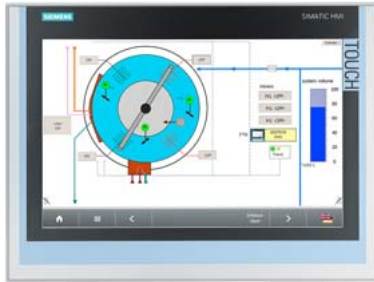
SIMATIC IFP1500 Flat Panel 15" display (16:10), Touch, Extended version up to 30 m, 1280x 800 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



| General information | |
|---|---|
| Product type designation | IFP1500 |
| Short designation | Flat Panel 15" touch ext. |
| **Display** | |
| Design of display | TFT widescreen display, LED backlighting |
| Screen diagonal | 15.4 in; 15" |
| Screen diagonal [cm] | 40 cm |
| Display width | 331.2 mm |
| Display height | 207 mm |
| On Screen Display (OSD) configuration | No; Adjustable by means of software |
| Number of colors | 16 777 216; 24 bit |
| Viewing angle | 170° x 170° |
| Resolution (pixels) | |
| ● Image resolution | 1 280 x 800 |
| ● Horizontal image resolution | 1 280 pixel |
| ● Vertical image resolution | 800 pixel |
| ● Pixel size, horizontal | 0.259 mm |
| ● Pixel size, vertical | 0.259 mm |
| General features | |
| ● Brightness/contrast | 400 cd/m² / 1 000:1 |
| ● Detachable from computer unit | 5 m |
| ● Luminance | 400 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 | single-touch screen |
| Input device | |
| ● Integrated mouse cursor control | No |
| Keyboard fonts | |
| ● Function keys | No |
| — Number of function keys | 0 |
| Touch operation | |
| ● Design as touch screen | Yes; Analog-resistive |
| ● Monitor keyboard | Yes |
| **Installation type/mounting** | |

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| | |
|---|---|
| Design | Built-in unit |
| Front mounting | 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 | AC/DC |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 19.2 V |
| permissible range, upper limit (DC) | 28.8 V |
| permissible range, lower limit (AC) | 90 V |
| permissible range, upper limit (AC) | 264 V |
| **Power loss** | |
| Power loss, typ. | 40 W |
| Power loss, max. | 65 W |
| **Interfaces** | |
| USB on the rear | Yes; 2x onboard |
| Connection for keyboard/mouse | USB |
| Video interfaces | |
| ● analog video signal (VGA) | No |
| ● DVI-D | Yes |
| ● DisplayPort | Yes; DisplayPort V1.1 |
| 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 |
| **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 | No |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● max. | 50 °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 | 10 m/s² |
| ● Vibration load during transport/storage | 10 m/s² |
| Shock testing | |
| ● Shock load during operation | 150 m/s² |
| ● shock acceleration during storage/transport | 150 m/s² |
| **Mechanics/material** | |
| Enclosure material (front) | |
| ● Aluminum | Yes |
| **Dimensions** | |
| Width of the housing front | 415 mm |
| Height of housing front | 310 mm |

| | |
|---|---|
| Mounting cutout, width | 396 mm; Tolerance: +1 mm |
| Mounting cutout, height | 291 mm; Tolerance: +1 mm |
| Overall depth | 62.5 mm |
| **Weights** | |
| Weight (without packaging) | 3.9 kg |
| Weight (with packaging) | 5 kg |

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|---|---|
| **last modified:** | 12/16/2020 ↗ |