SIEMENS

## Data sheet 6AV7863-4MA20-2AA0

Siemens EcoTech

***spare part*** SIMATIC IFP2200 V2 Ethernet, 22" multi-touch display (16:9) with 1920x 1080 pixels resolution, built-in unit, for 24 V DC, DisplayPort and Ethernet monitor, USB on the rear side, standard design




Figure similar

| | |
|---|---|
| **General information** | |
| Product type designation | IFP2200 V2 |
| **Display** | |
| Design of display | 22" TFT multi-touch |
| Screen diagonal | 21.5 in |
| Screen diagonal [cm] | 56 cm |
| Display width | 476 mm |
| Display height | 268 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 | 0.24795 mm |
| ● Pixel size, vertical | 0.24795 mm |
| General features | |
| ● Brightness/contrast | 250 cd/m² / 1 000:1 |
| ● Detachable from computer unit | 100 m; Ethernet |
| ● 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 |
| **Installation type/mounting** | |
| Design | Built-in unit |
| Front mounting | Yes |


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| | |
|---|---|
| VESA mounting | No |
| Mounting in portrait format possible | Yes |
| Mounting in landscape format possible | Yes |
| Built-in unit | Yes; Portrait mode possible |
| maximum permitted forward tilt angle from vertical | 45° |
| maximum permitted backward tilt angle from vertical | 45° |
| **Supply voltage** | |
| Type of supply voltage | DC |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 19.2 V |
| permissible range, upper limit (DC) | 28.8 V |
| **Input current** | |
| Current consumption (rated value) | 1 A |
| Current consumption, max. | 1.3 A |
| Starting current inrush I²t | 0.5 A²·s |
| **Power loss** | |
| Power loss, typ. | 24 W |
| **Interfaces** | |
| USB on the rear | Yes; 2x onboard |
| Connection for keyboard/mouse | USB |
| Video interfaces | |
| ● DVI-D | No |
| ● DisplayPort | Yes; Display port V1.2 |
| Touch interfaces | |
| ● USB | Yes |
| **Degree and class of protection** | |
| IP (at the front) | IP65 |
| NEMA (front) | |
| ● Enclosure Type 4 at the front | Yes |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| UL approval | Yes; cULus, cUL |
| FM approval | Yes; Class I Div. 2 |
| RCM (formerly C-TICK) | Yes |
| EAC (formerly Gost-R) | Yes |
| EMC | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| Use in hazardous areas | |
| ● IECEx Zone 2 | Yes; in preparation |
| ● IECEx Zone 22 | Yes; in preparation |
| ● FM Class I Division 2 | Yes; in preparation |
| **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. | 90 %; 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 | 250 m/s² |
| **Mechanics/material** | |


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| | |
|---|---|
| Enclosure material (front) | |
| ● Aluminum | Yes |
| ● Aluminum casting | Yes |
| ● Glass | Yes; at front |
| Enclosure material (rear) | aluminum |

## Dimensions

| | |
|---|---|
| Width of the housing front | 529 mm |
| Height of housing front | 331 mm |
| Mounting cutout, width | 513 mm; Tolerance: +1 mm |
| Mounting cutout, height | 315 mm; Tolerance: +1 mm |
| mounting depth | 63.4 mm |

## Weights

| | |
|---|---|
| Weight (without packaging) | 6.4 kg |
| Weight (with packaging) | 8.4 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 |

## Approvals / Certificates

### General Product Approval

Miscellaneous

### General Product Approval

Confirmation

### EMV

### Test Certificates

Special Test Certific-ate

Type Test Certific-ates/Test Report

### Test Certificates

Miscellaneous

### Maritime application

### Maritime application

CCS (China Classifica-tion Society)

### other

Miscellaneous

Confirmation

### Environment

Environmental Con-firmations


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## Environment

Environmental Confirmations

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