6AV7285-6LH00-0AA0

Data sheet

SIMATIC IFP 2200 V2 ext. hygienic, IP69, stainless steel, 22" multi-touch display (16:9) with 1920x1080 pixel resolution, built-in unit for 24 V DC, display port interface, can be placed up to 100 m away HDBaseT, USB on the rear side, blue FDA compliant gasket, increased impact protection with splinter protection display front according to directives EN 1672-2, FDA 21 CFR 177.2006 hygienic design



| Product type designation | IFP2200 V2 ext. hyg. |
|--|--|
| Short designation | Flat Panel 22" multi-touch ext. hygienic |
| isplay | ,,, |
| Design of display | TFT widescreen display, LED backlighting |
| Screen diagonal | 21.5 in; 22" |
| 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 | 170° x 170° |
| Resolution (pixels) | |
| Image resolution | 1 920 x 1 080 |
| Pixel size, horizontal | 0.2475 mm |
| Pixel size, vertical | 0.2475 mm |
| General features | |
| Brightness/contrast | 250 cd/m² / 1 000:1 |
| non-reflective and tempered mineral glass screen | No |
| Detachable from computer unit | 100 m; HDBaseT protocol |
| 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; If supported by operating system |
| nstallation type/mounting | |
| Design | Built-in unit |
| Front mounting | Yes |
| VESA mounting | Yes; VESA 100 x 100 integrated |
| 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 | 35° |

| Preserved Pres | maximum permitted hadeward tilt anala from vertical | 2E° |
|--|---|--|
| Type of supply voltage | maximum permitted backward tilt angle from vertical | 35° |
| Floating Part Par | | PO. |
| permissible range, lower limit (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) prover Loss Value of Consecution (Value of Value of Valu | | |
| Degree and class of protection Yes Degree and class of protection Degree | | |
| Insult current | | |
| Current consumption (instal value) | | 28.8 V |
| 1.3 A Starting current invisible 0.5 Ar's | | |
| Starting current inrush Pt Power loss, ftp. Power loss, ftp. Power loss, ftp. Power loss, ftp. Power loss, max. Number of USB interfaces USB on the rear Ves; 2x onboard Connection for keyboard/mouse USB Video interfaces USB on the rear Ves; 2x onboard Connection for keyboard/mouse USB Video interfaces USB Ves Popular on Video interfaces USB Ves Popular on Video interfaces USB Ves Popular on Video interfaces USB | | |
| Power loss typ. | | |
| Power loss, hys. 24 W | | 0.5 A ² ·s |
| Power loss, max. Times Ti | Power loss | |
| Number of USB interfaces Vest 2, USB 2,0 type A USB on the rear Vest 2x onboard Connection for keyboardmouse Video interfaces • DisplayPort Vest Display port V1,2 Touch interfaces • USB Ves Oegree and class of protection IP (rear) NEMA (front) • Enclosure Type 4x at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front • Yes Ves Ves Ves Ves Ves Ves Ves | Power loss, typ. | 24 W |
| Number of USB interfaces | Power loss, max. | 30 W |
| USB Ves. Zx onboard Ves. Zx onboard Ves. Zx onboard Ves. Display Port V1.2 Video interfaces • USB Ves. Display Port V1.2 Touch interfaces • Enclosure Type 4x at the front Yes. Standards, approval, certificates • Enclosure Type 4x at the front Yes. Standards, approval, certificates • Enclosure Type 4x at the front Yes. Standards, approval to Post Ves. Standards, approval to Post Ves. Standards, approval Ves. Standards, approval to Post Ves. Standards soon Culture. No. Available soon No. Avai | Interfaces | |
| Connection for keyboard/mouse Video interfaces DisplayPort Press USB Ves Degree and class of protection IP (rear) Enclosure Type 4x at the front Yes Standards, approvals, certificates CE mark Ves UL approval CULus No; Available soon CULus No; Available soon CCC No; Available soon CCC EMC CE, EN S5011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 ATEX Zone 2 ATEX Zone 2 IECEX Zone | Number of USB interfaces | 2; USB 2.0 type A |
| Vest DisplayPort Vest Display port V1.2 | USB on the rear | Yes; 2x onboard |
| ■ DisplayPort Touch interfaces ■ USB | Connection for keyboard/mouse | USB |
| Touch interfaces USB | Video interfaces | |
| ● USB | · • | Yes; Display port V1.2 |
| P(rear) | Touch interfaces | |
| IP (rear) | • USB | Yes |
| NEMA (front) Enclosure Type 12 at the front Yes | Degree and class of protection | |
| Enclosure Type 4x at the front Yes Enclosure Type 12 at the front Yes Standards, approvals, certificates CE mark UL approval UL approval UL approval CULus No, Available soon CULus RCM (formerly C-TICK) Yes RCA approval CCC No, Available soon CCC ENC CCC No, Available soon CCC ENC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 No, Available soon No, Availab | IP (rear) | IP20 |
| Enclosure Type 12 at the front Yes Standards, approvals, certificates Yes UL approval No; Available soon cULus No; Available soon RCM (formerly C-TICK) Yes KC approval No; Available soon CCC No; Available soon EMC CE; EN 55011, EN 61000-6-4, EN 61000-6-2 Use in nazardous areas ATEX Zone 2 • ATEX Zone 2 No; Available soon • ATEX Zone 22 No; Available soon • IECEX Zone 2 No; Available soon • IECEX Zone 2, Division 2 No; Available soon • OULus Class I Zone 2, Division 2 No; Available soon • Ambient temperature during operation • Or C • min. • Or C • max. 45 °C Ambient temperature during storage/transportation • or C • max. 60 °C Allitude during operation relating to sea level • Installation atlitude above sea level, max. 2 000 m Relative humidity • Operation, max. 90 %; no condensation • Vibration load during transport/storage 10 m/s² | NEMA (front) | |
| Standards Approvals Cet mark | Enclosure Type 4x at the front | Yes |
| CE mark | Enclosure Type 12 at the front | Yes |
| UL approval UL approval ULUs No; Available soon RCM (formerly C-TICK) Yes KC approval No; Available soon CCC No; Available soon CCC No; Available soon CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • No; Available soon No; Available soon No; Available soon No; Available soon • ATEX Zone 22 • ECEX Zone 22 • ECEX Zone 2 • CULus Class I Zone 2, Division 2 Ambient conditions Ambient temperature during operation • min: • max. 45 °C Ambient temperature during storage/transportation • min. • 20 °C Ambient temperature during storage/transportation • min. • 20 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. 80 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. 90 %; no condensation Vibrations • Vibration load during transport/storage Shock testing • Shock load during transport/storage Shock caceleration during storage/transport Mochanics/material Enclosure material (front) | Standards, approvals, certificates | |
| CULus No; Available soon RCM (formerly C-TICK) Yes KC approval No; Available soon CCC No; Available soon CCC No; Available soon EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas • ATEX Zone 2 No; Available soon • ATEX Zone 22 No; Available soon • IECEx Zone 22 No; Available soon • IECEx Zone 22 No; Available soon • IECEx Zone 22 No; Available soon • CULus Class I Zone 2, Division 2 No; Available soon • min. 0 °C • max. 45 °C Ambient temperature during operation • min20 °C • min. • max. 60 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. Relative humidity • Operation, max. 90 %; no condensation • Vibration load in operation • Vibration load during transport/storage Shock load during operation • Shock load during operation • shock acceleration during storage/transport 150 m/s² Shock load during operation • shock acceleration during storage/transport Politorion of the min of | CE mark | Yes |
| RCM (formerly C-TICK) Yes | UL approval | No; Available soon |
| KC approval CCC No; Available soon CCC No; Available soon CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEX Zone 22 • IECEX Zone 22 • IECEX Zone 22 • CULus Class I Zone 2, Division 2 Ambient conditions Ambient temperature during operation • min. • max. Ambient temperature during storage/transportation • min. • max. Aftitude during operation relating to sea level • Installation altitude above sea level, max. Relative humidity • Operation, max. Vibration load during transport/storage • Vibration load during transport/storage • Shock lead during operation • 150 m/s² Shock lead during operation • 150 m/s² • Shock load during storage/transport Declaration during storage/transport 150 m/s² • Shock lead during operation • Shock load during storage/transport Declaration during storage/transport 150 m/s² Shock leading • Shock load during storage/transport Declaration during storage/transp | cULus | No; Available soon |
| CCC No; Available soon EMC CE, No 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas • ATEX Zone 2 No; Available soon • ATEX Zone 22 No; Available soon • IECEx Zone 2 No; Available soon • IECEx Zone 22 No; Available soon • CULus Class I Zone 2, Division 2 No; Available soon Ambient conditions Ambient temperature during operation • min. 0°C • max. 45°C Ambient temperature during storage/transportation • min20°C • max. 60°C Altitude during operation relating to sea level • Installation altitude above sea level, max. 2000 m Relative humidity • Operation, max. 90 %; no condensation Vibrations • Vibration load in operation 90 %; no condensation Vibration load during transport/storage 10 m/s² Shock load during operation 150 m/s² • Shock load during operation 150 m/s² • Shock load during operation 150 m/s² • Shock load during storage/transport 250 m/s² Mechanics/material Enclosure material (front) | RCM (formerly C-TICK) | Yes |
| CCC EMC CE, EN 55011, EN 61000-6-4, EN 61000-6-2 Use in hazardous areas ATEX Zone 2 ATEX Zone 2 ATEX Zone 22 No; Available soon Available soon No; Available soon No; Available soon No; Available soon Ambient conditions Ambient temperature during operation onin. | KC approval | No; Available soon |
| Use in hazardous areas ATEX Zone 2 ATEX Zone 22 No; Available soon No | | No; Available soon |
| Use in hazardous areas ATEX Zone 2 ATEX Zone 22 No; Available soon No | EMC | CE, EN 55011, EN 61000-6-4, EN 61000-6-2 |
| ATEX Zone 22 IECEX Zone 2 IECEX Zone 22 CULUS Class I Zone 2, Division 2 Amblent conditions Amblent temperature during operation min. mi | Use in hazardous areas | |
| ■ IECEx Zone 2 ■ IECEx Zone 22 ■ cULus Class I Zone 2, Division 2 No; Available soon No; Available soon No; Available soon No; Available soon Ambient conditions Ambient temperature during operation ■ min. ■ max. | ATEX Zone 2 | No; Available soon |
| IECEX Zone 2 IECEX Zone 22 CULus Class I Zone 2, Division 2 No; Available soon No; Available soon No; Available soon No; Available soon Ambient conditions Ambient temperature during operation inclination inclination inclination inclination inclination altitude above sea level installation altitude above sea level, max. Autitude during operation relating to sea level installation altitude above sea level, max. Relative humidity Operation, max. Vibrations Vibration load in operation Vibration load during transport/storage No; Available soon Ambiertions I So °C O | ATEX Zone 22 | |
| IECEx Zone 22 Cultus Class I Zone 2, Division 2 No; Available soon Ambient conditions Ambient temperature during operation min. max. Ambient temperature during storage/transportation min. min. max. Abo °C Ambient temperature during storage/transportation min. max. 60 °C Altitude during operation relating to sea level Installation altitude above sea level, max. 2000 m Relative humidity Operation, max. 90 %; no condensation Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock load during operation Shock acceleration during storage/transport 150 m/s² Shock acceleration during storage/transport Enclosure material (front) | • IECEx Zone 2 | No; Available soon |
| Ambient conditions Ambient temperature during operation • min. • max. 45 °C Ambient temperature during storage/transportation • min. • min. • min. • max. 60 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. 2 000 m Relative humidity • Operation, max. Vibrations • Vibration load in operation • Vibration load during transport/storage Shock testing • Shock load during operation • shock acceleration during storage/transport Descriptions 150 m/s² Shock acceleration during storage/transport Enclosure material (front) | • IECEx Zone 22 | |
| Ambient conditions Ambient temperature during operation • min. • max. 45 °C Ambient temperature during storage/transportation • min. • min. • min. • max. 60 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. 2 000 m Relative humidity • Operation, max. Vibrations • Vibration load in operation • Vibration load during transport/storage Shock testing • Shock load during operation • shock acceleration during storage/transport Descriptions 150 m/s² Shock acceleration during storage/transport Enclosure material (front) | • cULus Class I Zone 2, Division 2 | No; Available soon |
| Ambient temperature during operation • min. • max. 45 °C Ambient temperature during storage/transportation • min. • max. 60 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. 2 000 m Relative humidity • Operation, max. 90 %; no condensation Vibrations • Vibration load in operation • Vibration load during transport/storage Shock testing • Shock load during operation • Shock cacceleration during storage/transport Mechanics/material Enclosure material (front) | | |
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| Ambient temperature during storage/transportation • min. • max. Altitude during operation relating to sea level • Installation altitude above sea level, max. Relative humidity • Operation, max. 90 %; no condensation Vibrations • Vibration load in operation • Vibration load during transport/storage Shock testing • Shock load during operation • Shock load during storage/transport 150 m/s² • shock acceleration during storage/transport Mechanics/material Enclosure material (front) | | |
| min. -20 °C max. 60 °C Altitude during operation relating to sea level Installation altitude above sea level, max. 2 000 m Relative humidity Operation, max. Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock load during operation shock acceleration during storage/transport 250 m/s² Mechanics/material Enclosure material (front) | | |
| max. 60 °C Altitude during operation relating to sea level Installation altitude above sea level, max. 2 000 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 Enclosure material (front) | | -20 °C |
| Altitude during operation relating to sea level Installation altitude above sea level, max. 2 000 m Relative humidity Operation, max. 90 %; no condensation Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock load during operation Shock load during operation shock acceleration during storage/transport Mechanics/material Enclosure material (front) | | |
| Installation altitude above sea level, max. Relative humidity Operation, max. 90 %; no condensation Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock load during operation Shock acceleration during storage/transport 150 m/s² Shock acceleration during storage/transport Mechanics/material Enclosure material (front) | | |
| Relative humidity Operation, max. 90 %; no condensation Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock load during operation Shock load during operation Shock acceleration during storage/transport Mechanics/material Enclosure material (front) | | 2 000 m |
| Operation, max. 90 %; no condensation Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock load during operation Shock acceleration during storage/transport Mechanics/material Enclosure material (front) | | |
| Vibrations • Vibration load in operation • Vibration load during transport/storage • Vibration load during transport/storage 10 m/s² Shock testing • Shock load during operation • shock acceleration during storage/transport Mechanics/material Enclosure material (front) | · | 90 %: no condensation |
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| shock acceleration during storage/transport Mechanics/material Enclosure material (front) 250 m/s² Mechanics/material Enclosure material (front) | - | 150 m/s² |
| Mechanics/material Enclosure material (front) | - 1 | |
| Enclosure material (front) | | 200 (11/3 |
| | | |
| ▼ Flastic Tes; Shaller protection IIIM | | Voc. chatter protection film |
| | ● Flastic | res, stratter protection illin |

| Stainless steel | Yes | |
|----------------------------|--------------------------|--|
| Dimensions | | |
| Width of the housing front | 544.7 mm | |
| Height of housing front | 346.2 mm | |
| Mounting cutout, width | 513 mm; Tolerance: +1 mm | |
| Mounting cutout, height | 315 mm; Tolerance: +1 mm | |
| Overall depth | 67.7 mm | |
| Weights | | |
| Weight (without packaging) | 7.8 kg | |

last modified: 6/19/2024 🖸