

SIMATIC ITC1500 V3, Industrial Thin Client, 15" widescreen TFT display, capacitive touch sensor, Supported protocols: RDP, VNC, SMARTSERVER HTML5 et. al., Standard Design, panel mount



Figure similar

| General information  |  |
|--|--|
| Product type designation   | ITC1500 V3                               |
| Display  |  |
| Design of display  | TFT widescreen display, LED backlighting |
| Screen diagonal  | 15.6 in; 15"                             |
| Display width  | 344.2 mm                                 |
| Display height   | 193.5 mm                                 |
| Number of colors   | 16 777 216                               |
| Resolution (pixels)  |  |
| <ul style="list-style-type: none"> <li>Image resolution</li> </ul>                                 | 1 366 x 768                              |
| <ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>                      | 1 366 pixel                              |
| <ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>                        | 768 pixel                                |
| General features   |  |
| <ul style="list-style-type: none"> <li>non-reflective and tempered mineral glass screen</li> </ul> | Yes                                      |
| <ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>                    | 100 m                                    |
| Backlighting   |  |
| <ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>                             | LED, dimmable                            |
| <ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>                     | 50 000 h; At 25°C                        |
| <ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>                               | Yes                                      |
| Control elements   |  |
| Control elements   | multi-touch screen                       |
| Touch operation  |  |
| <ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>                           | Yes                                      |
| <ul style="list-style-type: none"> <li>Design as multi-touch screen</li> </ul>                     | Yes; Projective-capacitive               |
| <ul style="list-style-type: none"> <li>Monitor keyboard</li> </ul>                                 | Yes                                      |
| Installation type/mounting   |  |
| Design   | Built-in unit                            |
| Front mounting   | Yes                                      |
| Support arm mounting   | No                                       |
| Stand mounting   | No                                       |
| Built-in unit  | Yes                                      |
| maximum permitted forward tilt angle from vertical   | 35°                                      |
| maximum permitted backward tilt angle from vertical  | 35°                                      |
| 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                |
| <b>Input current</b>                      |                       |
| Current consumption (rated value)         | 1.4 A                 |
| Starting current inrush I <sup>2</sup> t  | 0.5 A <sup>2</sup> ·s |
| <b>Power</b>                              |                       |
| Active power input, typ.                  | 34 W                  |
| <b>Power loss</b>                         |                       |
| Power loss, typ.                          | 34 W                  |
| <b>Interfaces</b>                         |                       |
| Number of industrial Ethernet interfaces  | 2; 2 ports (switch)   |
| Number of USB interfaces                  | 4; on rear            |
| USB on the rear                           | Yes; 2x onboard       |
| Connection for keyboard/mouse             | USB                   |
| <b>Industrial Ethernet</b>                |                       |
| • Transmission rate, max.                 | 1 000 Mbit/s          |
| <b>Protocols</b>                          |                       |
| <b>Protocols (Ethernet)</b>               |                       |
| • TCP/IP                                  | Yes                   |
| • DHCP                                    | Yes                   |
| • SNMP                                    | Yes                   |
| • DCP                                     | Yes                   |
| • LLDP                                    | Yes                   |
| <b>WEB characteristics</b>                |                       |
| • HTTP                                    | Yes                   |
| • HTML                                    | Yes; HTML5            |
| • XML                                     | Yes                   |
| • CSS                                     | Yes                   |
| • JavaScript                              | Yes                   |
| <b>Protocols (terminal link)</b>          |                       |
| • Sm@rtServer                             | Yes                   |
| • RDP                                     | Yes                   |
| • VNC viewer                              | Yes                   |
| • Citrix                                  | No                    |
| • SINUMERIK                               | No                    |
| <b>Degree and class of protection</b>     |                       |
| IP (at the front)                         | IP65                  |
| IP (rear)                                 | IP20                  |
| <b>NEMA (front)</b>                       |                       |
| • Enclosure Type 4 at the front           | Yes                   |
| • Enclosure Type 4x at the front          | Yes                   |
| • Enclosure Type 12 at the front          | Yes                   |
| <b>Standards, approvals, certificates</b> |                       |
| CE mark                                   | Yes                   |
| cULus                                     | Yes                   |
| FM approval                               | Yes                   |
| RCM (formerly C-TICK)                     | Yes                   |
| KC approval                               | Yes                   |
| EAC (formerly Gost-R)                     | Yes                   |
| <b>Use in hazardous areas</b>             |                       |
| • ATEX Zone 2                             | Yes                   |
| • ATEX Zone 22                            | Yes                   |
| • IECEx Zone 2                            | Yes                   |
| • IECEx Zone 22                           | Yes                   |
| • cULus Class I Zone 2, Division 2        | Yes                   |
| • FM Class I Division 2                   | Yes                   |
| <b>Marine approval</b>                    |                       |

|  |                    |
|--|--------------------|
| • Germanischer Lloyd (GL)              | No; Available soon |
| • American Bureau of Shipping (ABS)    | No; Available soon |
| • Bureau Veritas (BV)                  | No; Available soon |
| • Det Norske Veritas (DNV)             | No; Available soon |
| • Korean Register of Shipping (KRS)    | No                 |
| • Lloyds Register of Shipping (LRS)    | No; Available soon |
| • Nippon Kaiji Kyokai (Class NK)       | No; Available soon |
| • Polski Rejestr Statkow (PRS)         | No                 |
| • Chinese Classification Society (CCS) | No                 |

#### Ambient conditions

|                                      |       |
|--------------------------------------|-------|
| Ambient temperature during operation |       |
| • min.                               | 0 °C  |
| • max.                               | 50 °C |

|   |        |
|---|--------|
| Ambient temperature during storage/transportation |        |
| • min.  | -20 °C |
| • max.  | 60 °C  |

|                   |                       |
|-------------------|-----------------------|
| Relative humidity |                       |
| • Operation, max. | 90 %; no condensation |

|   |                     |
|---|---------------------|
| Vibrations                                |                     |
| • Vibration load in operation             | 10 m/s <sup>2</sup> |
| • Vibration load during transport/storage | 10 m/s <sup>2</sup> |

|   |                      |
|---|----------------------|
| Shock testing                                 |                      |
| • Shock load during operation                 | 150 m/s <sup>2</sup> |
| • shock acceleration during storage/transport | 150 m/s <sup>2</sup> |

#### Software

|             |                 |
|-------------|-----------------|
| Web browser | Yes; HTML5, CSS |
| PDF reader  | Yes             |

#### configuration / header

|               |                   |
|---------------|-------------------|
| Configuration |                   |
| • Local       | Yes               |
| • Remote      | Yes; Via web page |

#### Languages

|                                      |                     |
|--------------------------------------|---------------------|
| Online languages                     |                     |
| • Number of online/runtime languages | 3; german / english |

#### Peripherals/Options

|            |  |
|------------|--|
| USB memory | Yes; USB storage medium can be connected |
|------------|--|

#### Mechanics/material

|                            |     |
|----------------------------|-----|
| Enclosure material (front) |     |
| • Aluminum                 | Yes |

#### Dimensions

|                            |        |
|----------------------------|--------|
| Width of the housing front | 398 mm |
| Height of housing front    | 257 mm |
| Mounting cutout, width     | 382 mm |
| Mounting cutout, height    | 241 mm |
| Overall depth              | 73 mm  |

#### Weights

|                            |      |
|----------------------------|------|
| Weight (without packaging) | 5 kg |
|----------------------------|------|

last modified: 1/16/2021 