

SIMATIC ITC1500 V3, industrial thin client, 15" widescreen TFT display, capacitive touch sensor, supported protocols: RDP, VNC, SmartServer HTML5 and others, standard design, built-in unit



Figure similar

| General information                                 |                                          |
|-----------------------------------------------------|------------------------------------------|
| Product type designation                            | ITC1500 V3                               |
| Display                                             |                                          |
| Design of display                                   | TFT widescreen display, LED backlighting |
| Screen diagonal                                     | 15.6 in                                  |
| Display width                                       | 344.2 mm                                 |
| Display height                                      | 193.5 mm                                 |
| Number of colors                                    | 16 777 216                               |
| Resolution (pixels)                                 |                                          |
| • Horizontal image resolution                       | 1 366 pixel                              |
| • Vertical image resolution                         | 768 pixel                                |
| General features                                    |                                          |
| • non-reflective and tempered mineral glass screen  | Yes                                      |
| Backlighting                                        |                                          |
| • MTBF backlighting (at 25 °C)                      | 50 000 h; At 25°C                        |
| • Backlight dimmable                                | Yes; LED, dimmable                       |
| Control elements                                    |                                          |
| Touch operation                                     |                                          |
| • Design as touch screen                            | Yes                                      |
| • Design as multi-touch screen                      | Yes; Projective-capacitive               |
| • Monitor keyboard                                  | 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                                   |
| Input current                                       |                                          |
| Current consumption (rated value)                   | 1.8 A                                    |
| Current consumption, max.                           | 2.2 A                                    |
| Starting current inrush I <sup>2</sup> t            | 0.5 A²·s                                 |

|                                           |                     |
|-------------------------------------------|---------------------|
| <b>Power</b>                              |                     |
| Active power input, typ.                  | 43.2 W              |
| <b>Interfaces</b>                         |                     |
| Number of industrial Ethernet interfaces  | 2; 2 ports (switch) |
| Number of USB interfaces                  | 4; on rear          |
| 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                 |
| • HTTPS                                   | Yes                 |
| • HTML                                    | Yes; HTML5          |
| • XML                                     | Yes                 |
| • CSS                                     | Yes                 |
| • JavaScript                              | Yes                 |
| • Java VM                                 | No                  |
| <b>Protocols (terminal link)</b>          |                     |
| • Sm@rtServer                             | Yes                 |
| • RDP                                     | Yes                 |
| • VNC viewer                              | Yes                 |
| • Citrix                                  | Yes                 |
| • SINUMERIK                               | Yes                 |
| <b>Degree and class of protection</b>     |                     |
| IP (at the front)                         | IP65                |
| <b>NEMA (front)</b>                       |                     |
| • 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)                     | No; in preparation  |
| <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                  |
| • American Bureau of Shipping (ABS)       | No                  |
| • Bureau Veritas (BV)                     | No                  |
| • Det Norske Veritas (DNV)                | No                  |
| • Korean Register of Shipping (KRS)       | No                  |
| • Lloyds Register of Shipping (LRS)       | No                  |
| • Nippon Kaiji Kyokai (Class NK)          | No                  |
| • 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/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                                 |         |                |
| Software                                          |                                          |         |                |
| Web browser                                       | Yes; HTML5, CSS                          |         |                |
| PDF reader                                        | Yes                                      |         |                |
| Configuration                                     |                                          |         |                |
| Configuration                                     |                                          |         |                |
| • Local                                           | Yes                                      |         |                |
| • Remote                                          | Yes; Via web page                        |         |                |
| Languages                                         |                                          |         |                |
| Online languages                                  |                                          |         |                |
| • Number of online/runtime languages              | 2; 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                                   |         |                |
| mounting depth                                    | 73 mm                                    |         |                |
| Weights                                           |                                          |         |                |
| Weight (without packaging)                        | 5 kg                                     |         |                |
| Classifications                                   |                                          |         |                |
|                                                   |                                          | Version | Classification |
|                                                   | eClass                                   | 16      | 19-20-01-03    |
|                                                   | eClass                                   | 14      | 19-20-01-03    |
|                                                   | eClass                                   | 12      | 19-20-01-03    |
|                                                   | eClass                                   | 9.1     | 19-20-01-03    |
|                                                   | eClass                                   | 9       | 19-20-01-03    |
|                                                   | eClass                                   | 8       | 27-24-23-01    |
|                                                   | eClass                                   | 7.1     | 27-24-23-01    |
|                                                   | eClass                                   | 6       | 27-24-23-01    |
|                                                   | ETIM                                     | 10      | EC001414       |
|                                                   | ETIM                                     | 9       | EC001414       |
|                                                   | ETIM                                     | 8       | EC001414       |
|                                                   | ETIM                                     | 7       | EC001414       |
| Approvals / Certificates                          |                                          |         |                |
| General Product Approval                          |                                          |         |                |



[Manufacturer Declaration](#)

[Miscellaneous](#)



General Product Approval

For use in hazardous locations



[China RoHS](#)

[CCC-Ex](#)



For use in hazardous locations

[Miscellaneous](#)



[FM](#)

[CCC-Ex](#)

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