

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                               |
| Short designation                                  | SIMATIC 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                                       |                                          |
| • Type of backlighting                             | LED, dimmable                            |

- MTBF backlighting (at 25 °C)
- Backlight dimmable

50 000 h; At 25°C

Yes

## Control elements

### Touch operation

- Design as multi-touch screen
- Monitor keyboard

Yes; Projective-capacitive

Yes

## Installation type/mounting

Design Built-in unit

Rack mounting Yes; With frame

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 24 V 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) 1.4 A

Starting current inrush I<sup>2</sup>t 0.5 A<sup>2</sup>·s

## Power

Active power input, typ. 34 W

## Power loss

Power loss, typ. 34 W

## Interfaces

Number of industrial Ethernet interfaces 2; 2 ports (switch)

Number of USB interfaces 4; on rear

Connection for keyboard/mouse USB

### Industrial Ethernet

- Transmission rate, max. 1 000 Mbit/s

## Protocols

### Protocols (Ethernet)

- TCP/IP Yes
- DHCP Yes
- DCP Yes
- LLDP Yes

### WEB characteristics

- HTTP Yes
- HTTPS Yes

|                                           |                    |
|-------------------------------------------|--------------------|
| • HTML                                    | Yes; HTML5         |
| • XML                                     | Yes                |
| • CSS                                     | Yes                |
| • Active X                                | No                 |
| • 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               |
| NEMA (front)                              |                    |
| • 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 load during transport/storage 150 m/s<sup>2</sup>

## 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 3; german / english

## Peripherals/Options

Printer No

USB memory Yes; USB storage medium can be connected

Additional software components loadable No

## Mechanics/material

### Enclosure material (front)

- Aluminum Yes
- Glass 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:**

03/16/2020 