



Figure similar

SIMATIC ITC1900 V3 PRO, industrial thin client, 19" widescreen TFT display, capacitive touch sensor supported protocols: RDP, VNC, SmartServer HTML5 and others neutral design, prepared for support arm without expansion elements

| General information                                 |                                                            |
|-----------------------------------------------------|------------------------------------------------------------|
| Product type designation                            | ITC1900 V3 PRO                                             |
| Display                                             |                                                            |
| Design of display                                   | TFT widescreen display, LED backlighting                   |
| Screen diagonal                                     | 18.5 in                                                    |
| Display width                                       | 409 mm                                                     |
| Display height                                      | 230 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 multi-touch screen                      | Yes; Projective-capacitive                                 |
| • Monitor keyboard                                  | Yes                                                        |
| Installation type/mounting                          |                                                            |
| Design                                              | Support arm mounting                                       |
| Support arm mounting                                | Yes; Suitable for support arm without extension components |
| Built-in unit                                       | No                                                         |
| 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)                   | 1.8 A                                                      |
| Current consumption, max.                           | 2.2 A                                                      |
| Starting current inrush I <sub>st</sub>             | 0.5 A <sup>2</sup> ·s                                      |
| Power                                               |                                                            |
| Active power input, typ.                            | 43.2 W                                                     |
| Interfaces                                          |                                                            |
| 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                 |
| <b>Ambient conditions</b>                                |                    |
| <b>Ambient temperature during operation</b>              |                    |
| • min.                                                   | 0 °C               |
| • max.                                                   | 45 °C              |
| <b>Ambient temperature during storage/transportation</b> |                    |
| • 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 / header                        |                                          |
| 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)                    | Yes                                      |
| • Aluminum                                    |                                          |
| Dimensions                                    |                                          |
| Width of the housing front                    | 462 mm                                   |
| Height of housing front                       | 292 mm; Without basic adapter            |
| Overall depth                                 | 101 mm; Without basic adapter            |
| Weights                                       |                                          |
| Weight (without packaging)                    | 7.4 kg                                   |
| Classifications                               |                                          |

|        | Version | Classification |
|--------|---------|----------------|
| 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   | 9       | EC001414       |
| ETIM   | 8       | EC001414       |
| ETIM   | 7       | EC001414       |

|                          |  |
|--------------------------|--|
| Approvals / Certificates |  |
| General Product Approval |  |



[Miscellaneous](#)

[Manufacturer Declaration](#)



|                          |                                |
|--------------------------|--------------------------------|
| General Product Approval | For use in hazardous locations |
|--------------------------|--------------------------------|

[KC](#)



[FM](#)

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last modified:

12/18/2024 