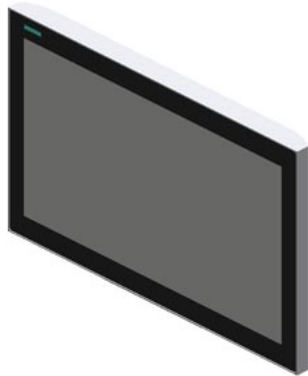




SIMATIC ITC1900 V3 PRO, Industrial Thin Client, 19" widescreen TFT display, capacitive touch sensor, Supported protocols: RDP, VNC, Smart Server, HTML5 etc. standard design, supporting foot mounting

| General information                                 |                                                     |
|-----------------------------------------------------|-----------------------------------------------------|
| Product type designation                            | ITC1900 V3 PRO                                      |
| Display                                             |                                                     |
| Design of display                                   | TFT widescreen display, LED backlighting            |
| Screen diagonal                                     | 18.5 in; 19"                                        |
| Display width                                       | 409.8 mm                                            |
| Display height                                      | 230.4 mm                                            |
| Number of colors                                    | 16 777 216                                          |
| Resolution (pixels)                                 |                                                     |
| • Image resolution                                  | 1 366 x 768                                         |
| • Horizontal image resolution                       | 1 366 pixel                                         |
| • Vertical image resolution                         | 768 pixel                                           |
| General features                                    |                                                     |
| • non-reflective and tempered mineral glass screen  | Yes                                                 |
| • Detachable from computer unit                     | 100 m                                               |
| Backlighting                                        |                                                     |
| • Type of backlighting                              | LED, dimmable                                       |
| • MTBF backlighting (at 25 °C)                      | 50 000 h; At 25°C                                   |
| • Backlight dimmable                                | Yes                                                 |
| Control elements                                    |                                                     |
| Control elements                                    | multi-touch screen                                  |
| Touch operation                                     |                                                     |
| • Design as touch screen                            | Yes                                                 |
| • Design as multi-touch screen                      | Yes; Projective-capacitive                          |
| • Monitor keyboard                                  | Yes                                                 |
| Installation type/mounting                          |                                                     |
| Design                                              | Pedestal mounting                                   |
| Front mounting                                      | No                                                  |
| Support arm mounting                                | No                                                  |
| Stand mounting                                      | Yes; Prepared for pedestal and 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                              | 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    |
| <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                      |
| • 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                     |
| IP (rear)                                 | IP20                     |
| NEMA (front)                              | NEMA 4x (when installed) |
| • 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                             | No                       |
| • ATEX Zone 22                            | No                       |
| • IECEx Zone 2                            | No                       |
| • IECEx Zone 22                           | No                       |
| • cULus Class I Zone 2, Division 2        | No                       |
| • FM Class I Division 2                   | No                       |
| <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>                         |                                          |
| Ambient temperature during operation              |                                          |
| • min.                                            | 0 °C                                     |
| • max.                                            | 45 °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>                     |
| <b>Software</b>                                   |                                          |
| Web browser                                       | Yes; HTML5, CSS                          |
| PDF reader                                        | Yes                                      |
| <b>configuration / header</b>                     |                                          |
| Configuration                                     |                                          |
| • Local                                           | Yes                                      |
| • Remote                                          | Yes; Via web page                        |
| <b>Languages</b>                                  |                                          |
| Online languages                                  |                                          |
| • Number of online/runtime languages              | 2; german / english                      |
| <b>Peripherals/Options</b>                        |                                          |
| USB memory                                        | Yes; USB storage medium can be connected |
| <b>Mechanics/material</b>                         |                                          |
| Enclosure material (front)                        |                                          |
| • Aluminum                                        | Yes                                      |
| <b>Dimensions</b>                                 |                                          |
| Width of the housing front                        | 462 mm                                   |
| Height of housing front                           | 293 mm; Without basic adapter            |
| Overall depth                                     | 101 mm; Without basic adapter            |
| <b>Weights</b>                                    |                                          |
| Weight (without packaging)                        | 7.4 kg                                   |

last modified: 9/10/2023 