

SIMATIC ITC1900 V3, industrial thin client, 19" widescreen TFT display, capacitive touch sensor, supported protocols: RDP, VNC, SMARTSERVER HTML5 and others neutral design, built-in unit full HD display



| General information | |
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| Product type designation | ITC1900 V3 |
| 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 | 1 920 pixel |
| • Vertical image resolution | 1 080 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 | Built-in unit |
| Front mounting | Yes |
| 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 st | 0.5 A ² ·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 |

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| Connection for keyboard/mouse | USB |
| Industrial Ethernet | |
| • Transmission rate, max. | 1 000 Mbit/s |
| Protocols | |
| Protocols (Ethernet) | |
| • TCP/IP | Yes |
| • DHCP | Yes |
| • SNMP | Yes |
| • DCP | Yes |
| • LLDP | Yes |
| WEB characteristics | |
| • HTTP | Yes |
| • HTTPS | Yes |
| • HTML | Yes; HTML5 |
| • XML | Yes |
| • CSS | Yes |
| • JavaScript | Yes |
| • Java VM | No |
| Protocols (terminal link) | |
| • Sm@rtServer | Yes |
| • RDP | Yes |
| • VNC viewer | Yes |
| • Citrix | Yes |
| • SINUMERIK | Yes |
| Degree and class of protection | |
| IP (at the front) | IP65 |
| NEMA (front) | |
| • Enclosure Type 4x at the front | Yes |
| • Enclosure Type 12 at the front | Yes |
| Standards, approvals, certificates | |
| CE mark | Yes |
| cULus | Yes |
| FM approval | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | No; in preparation |
| Use in hazardous areas | |
| • 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 |
| Marine approval | |
| • 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. | 45 °C |
| Ambient temperature during storage/transportation | |
| • min. | -20 °C |
| • max. | 60 °C |

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| Relative humidity | |
| • Operation, max. | 90 %; no condensation |
| Vibrations | |
| • Vibration load in operation | 10 m/s ² |
| • Vibration load during transport/storage | 10 m/s ² |
| Shock testing | |
| • Shock load during operation | 150 m/s ² |
| • shock acceleration during storage/transport | 150 m/s ² |
| 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) | |
| • Aluminum | Yes |
| Dimensions | |
| Width of the housing front | 464 mm |
| Height of housing front | 294 mm |
| Mounting cutout, width | 448 mm |
| Mounting cutout, height | 278 mm |
| Overall depth | 73 mm |
| Weights | |
| Weight (without packaging) | 6.1 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



[Manufacturer Declaration](#)

[Miscellaneous](#)



General Product Approval For use in hazardous locations

[KC](#)



[EM](#)

last modified:

6/30/2025 