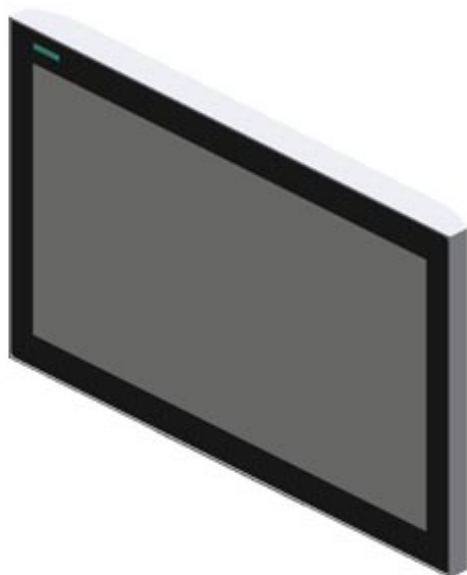


SIMATIC ITC1900 V3 PRO, Industrial Thin Client, 19" widescreen TFT display, capacitive touch sensor, Supported protocols: RDP, VNC, Smart Server, HTML5 etc. standard design, supporting foot mounting



| General information                                |                                          |
|----------------------------------------------------|------------------------------------------|
| Product type designation                           | ITC1900 V3                               |
| 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)
- Backlight dimmable

50 000 h; At 25°C

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 <sub>2t</sub> | 0.5 A <sup>2</sup> ·s |

## Power

|                          |      |
|--------------------------|------|
| Active power input, typ. | 34 W |
|--------------------------|------|

## Interfaces

|                                          |                     |
|------------------------------------------|---------------------|
| 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                 |

### 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                      |
| • Active X                          | No                       |
| • 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                     |
| 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                      |
| Standards, approvals, certificates  |                          |
| CE mark                             | Yes                      |
| cULus                               | Yes                      |
| FM approval                         | Yes                      |
| KC approval                         | Yes                      |
| Use in hazardous areas              |                          |
| • 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                       |
| 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                       |

|                                                                                                                                                                            |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <ul style="list-style-type: none"> <li>• Nippon Kaiji Kyokai (Class NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Chinese Classification Society (CCS)</li> </ul> | No                                       |
|                                                                                                                                                                            | No                                       |
|                                                                                                                                                                            | 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                                    |
| <b>Relative humidity</b>                                                                                                                                                   |                                          |
| • Operation, max.                                                                                                                                                          | 90 %; no condensation                    |
| <b>Vibrations</b>                                                                                                                                                          |                                          |
| • Vibration load in operation                                                                                                                                              | 10 m/s <sup>2</sup>                      |
| • Vibration load during transport/storage                                                                                                                                  | 10 m/s <sup>2</sup>                      |
| <b>Shock testing</b>                                                                                                                                                       |                                          |
| • 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</b>                                                                                                                                                       |                                          |
| <b>Configuration</b>                                                                                                                                                       |                                          |
| • Local                                                                                                                                                                    | Yes                                      |
| • Remote                                                                                                                                                                   | Yes; Via web page                        |
| <b>Languages</b>                                                                                                                                                           |                                          |
| <b>Online languages</b>                                                                                                                                                    |                                          |
| • 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>                                                                                                                                                  |                                          |
| <b>Enclosure material (front)</b>                                                                                                                                          |                                          |
| • 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:

11/28/2020 