

SIMATIC ITC1900 V3, Industrial Thin Client, 19" widescreen TFT display, capacitive touch sensor, Supported protocols: RDP, VNC, SMARTSERVER HTML5 et. al., Standard Design, panel mount



General information	
Product type designation	ITC1900 V3
Short designation	SIMATIC ITC1900 V3
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in
Display width	409.8 mm
Display height	230.4 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)	50 000 h; At 25°C

• Backlight dimmable	Yes
Control elements	
Touch operation	
• Design as multi-touch screen	Yes; Projective-capacitive
• Monitor keyboard	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 _{st}	0.5 A ² ·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
• 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
NEMA (front)	
• 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
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
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; 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. 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/s²
- Vibration load during transport/storage 10 m/s²

Shock testing

- Shock load during operation 150 m/s²
- Shock load during transport/storage 150 m/s²

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 2; 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 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

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