

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



General information	
Product type designation	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	
Control elements	Touch screen
Touch operation	
<ul style="list-style-type: none"> • Design as touch screen 	Yes
<ul style="list-style-type: none"> • Design as multi-touch screen 	Yes; Projective-capacitive
<ul style="list-style-type: none"> • Monitor keyboard 	Yes
Installation type/mounting	
Design	Built-in unit
Rack mounting	Yes; With frame
Support arm mounting	No
Stand mounting	No
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 ² t	0.5 A ² ·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
Connection for keyboard/mouse	USB
Industrial Ethernet	
<ul style="list-style-type: none"> • Transmission rate, max. 	1 000 Mbit/s
Protocols	
Protocols (Ethernet)	
<ul style="list-style-type: none"> • TCP/IP 	Yes
<ul style="list-style-type: none"> • DHCP 	Yes
<ul style="list-style-type: none"> • SNMP 	Yes
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
WEB characteristics	
<ul style="list-style-type: none"> • HTTP 	Yes
<ul style="list-style-type: none"> • HTML 	Yes; HTML5

• XML	Yes
• CSS	Yes
• JavaScript	Yes
Protocols (terminal link)	
• Sm@rtServer	Yes
• RDP	Yes
• VNC viewer	Yes
• Citrix	No
• SINUMERIK	No

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
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/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	
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
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

last modified:

08/28/2020