



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)	
<ul style="list-style-type: none"> Image resolution 	1 366 x 768
<ul style="list-style-type: none"> Horizontal image resolution 	1 366 pixel
<ul style="list-style-type: none"> Vertical image resolution 	768 pixel
General features	
<ul style="list-style-type: none"> non-reflective and tempered mineral glass screen 	Yes
<ul style="list-style-type: none"> Detachable from computer unit 	100 m
Backlighting	
<ul style="list-style-type: none"> Type of backlighting 	LED, dimmable
<ul style="list-style-type: none"> MTBF backlighting (at 25 °C) 	50 000 h; At 25°C
<ul style="list-style-type: none"> Backlight dimmable 	Yes
Control elements	
Control elements	multi-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	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 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
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
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	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

<ul style="list-style-type: none"> • Korean Register of Shipping (KRS) 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (Class NK) 	No
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	No
<ul style="list-style-type: none"> • Chinese Classification Society (CCS) 	No
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. 	0 °C
<ul style="list-style-type: none"> • max. 	45 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. 	-20 °C
<ul style="list-style-type: none"> • max. 	60 °C
Relative humidity	
<ul style="list-style-type: none"> • Operation, max. 	90 %; no condensation
Vibrations	
<ul style="list-style-type: none"> • Vibration load in operation 	10 m/s ²
<ul style="list-style-type: none"> • Vibration load during transport/storage 	10 m/s ²
Shock testing	
<ul style="list-style-type: none"> • Shock load during operation 	150 m/s ²
<ul style="list-style-type: none"> • shock acceleration during storage/transport 	150 m/s ²
Software	
Web browser	Yes; HTML5, CSS
PDF reader	Yes
configuration / header	
Configuration	
<ul style="list-style-type: none"> • Local 	Yes
<ul style="list-style-type: none"> • Remote 	Yes; Via web page
Languages	
Online languages	
<ul style="list-style-type: none"> • Number of online/runtime languages 	2; german / english
Peripherals/Options	
USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
<ul style="list-style-type: none"> • Aluminum 	Yes
Dimensions	
Width of the housing front	462 mm
Height of housing front	293 mm; Without basic adapter
Overall depth	101 mm; Without basic adapter
Weights	
Weight (without packaging)	7.4 kg
last modified:	1/16/2021 