

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; 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"> <li>Image resolution</li> </ul>	1 366 x 768
<ul style="list-style-type: none"> <li>Horizontal image resolution</li> </ul>	1 366 pixel
<ul style="list-style-type: none"> <li>Vertical image resolution</li> </ul>	768 pixel
General features	
<ul style="list-style-type: none"> <li>non-reflective and tempered mineral glass screen</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Detachable from computer unit</li> </ul>	100 m
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED, dimmable
<ul style="list-style-type: none"> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h; At 25°C
<ul style="list-style-type: none"> <li>Backlight dimmable</li> </ul>	Yes
Control elements	
Control elements	multi-touch screen
Touch operation	
<ul style="list-style-type: none"> <li>Design as touch screen</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive
<ul style="list-style-type: none"> <li>Monitor keyboard</li> </ul>	Yes
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
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	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 <sup>2</sup> t	0.5 A <sup>2</sup> ·s
<b>Power</b>	
Active power input, typ.	34 W
<b>Interfaces</b>	
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
<b>Industrial Ethernet</b>	
• Transmission rate, max.	1 000 Mbit/s
<b>Protocols</b>	
<b>Protocols (Ethernet)</b>	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
<b>WEB characteristics</b>	
• HTTP	Yes
• HTML	Yes; HTML5
• XML	Yes
• CSS	Yes
• JavaScript	Yes
<b>Protocols (terminal link)</b>	
• Sm@rtServer	Yes
• RDP	Yes
• VNC viewer	Yes
• Citrix	No
• SINUMERIK	No
<b>Degree and class of protection</b>	
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
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
<b>Use in hazardous areas</b>	
• 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
<b>Marine approval</b>	
• 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

<ul style="list-style-type: none"> <li>• Polski Rejestr Statkow (PRS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Chinese Classification Society (CCS)</li> </ul>	No
<b>Ambient conditions</b>	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>• min.</li> </ul>	0 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	45 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>• min.</li> </ul>	-20 °C
<ul style="list-style-type: none"> <li>• max.</li> </ul>	60 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• Operation, max.</li> </ul>	90 %; no condensation
Vibrations	
<ul style="list-style-type: none"> <li>• Vibration load in operation</li> </ul>	10 m/s <sup>2</sup>
<ul style="list-style-type: none"> <li>• Vibration load during transport/storage</li> </ul>	10 m/s <sup>2</sup>
Shock testing	
<ul style="list-style-type: none"> <li>• Shock load during operation</li> </ul>	150 m/s <sup>2</sup>
<ul style="list-style-type: none"> <li>• shock acceleration during storage/transport</li> </ul>	150 m/s <sup>2</sup>
<b>Software</b>	
Web browser	Yes; HTML5, CSS
PDF reader	Yes
<b>configuration / header</b>	
Configuration	
<ul style="list-style-type: none"> <li>• Local</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Remote</li> </ul>	Yes; Via web page
<b>Languages</b>	
Online languages	
<ul style="list-style-type: none"> <li>• Number of online/runtime languages</li> </ul>	2; german / english
<b>Peripherals/Options</b>	
USB memory	Yes; USB storage medium can be connected
<b>Mechanics/material</b>	
Enclosure material (front)	
<ul style="list-style-type: none"> <li>• Aluminum</li> </ul>	Yes
<b>Dimensions</b>	
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
<b>Weights</b>	
Weight (without packaging)	6.1 kg
<b>last modified:</b>	1/16/2021 